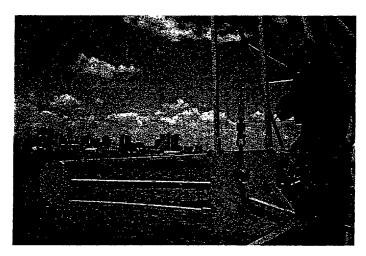
Final Report



U.S. Army Corps of Engineers, Philadelphia District Contract No. DACW61-94-D-0013 Delivery Orders 0005, 0006 & 0009



Results of Berthing Area Vibracore Sampling along the Delaware River from Beckett Street Terminal in Camden, NJ to Sun Oil Refinery in Marcus Hook, PA

Prepared under the Supervision of:

John P. Taylor, P.E. Project Manager

February 1996



BLACK & VEATCH Waste Science, Inc. Philadelphia, PA

This Final Report was prepared by BLACK & VEATCH Waste Science, Inc. in fulfillment of the U. S. Army Corps of Engineers (Corps), Philadelphia District Contract Number DACW61-94-D-0013 and in accordance with the Technical Scope of Work for Delivery Orders 0005, 0006, and 0009 dated March 23, 1995, March 31, 1995, and August 29, 1995 respectively.

Table of Contents

Exe	cutive S	Summary	ES-1
1.0	Introd	uction	1-1
2.0	Metho	dology	2-1
	2.1		
	2.2	Data Analysis	
3.0	Result	S	3-1
		Strata	
	3.2	Laboratory Analysis	3-2
		3.2.1 Bulk Sediment Analytical Results	3-3
		3.2.2 Elutriate Analytical Results	3-3
		3.2.3 Compliance Averages Comparison	3-4
	3.3	Exceptions	3-4
4.0	Discus	sion	4-1
		Comparison with Initial Screening Levels	4-1
		4.1.1 Bulk Sediment Samples	4-1
		4.1.2 Elutriate Samples	4-4
		4.1.3 Comparison with Initial Screening Levels by Berthing	
		Areas	
	4.2	Comparison of Arithmetic Means with Criteria	4-7
		4.2.1 Bulk Sediment Samples	
			1-10
		4.2.3 Comparisons with Criteria by Berthing Areas	-11
5.0	Conclu	usions	5-1
		Tables	
Tabl	e 1 Sa	ampling Locations	-10
Tabl	e 2 Sa	ample Summary	2-3
Tabl	e 3 Bu	ulk Sediment Organic Contaminants above Initial Screening Levels	4-2
Tabl	e 4 Bu	ulk Sediment Inorganic Contaminants above Initial Screening Levels	4-3
			4-5
Tabl	e 6 Co	ompliance Averaging Mean Concentrations of Organics and	
		organies for Burn Seamers I many ses in the contract of the co	4-8
Tabl		ompliance Averaging Mean Concentrations of Organics and Inorganics for	
	El	utriate Analyses	4-9

Figures

Figure 1	General Sampling Area	1-2
Figure 2A	Vibracore Sampling Locations, Beckett Street Terminal - Berth 4.	1-3
Figure 2B	Vibracore Sampling Locations, Packer Ave. Terminal	1-4
Figure 2C	Vibracore Sampling Locations, Conrail	1-5
Figure 2D	Vibracore Sampling Locations, Sun Oil - Ft. Mifflin	1-6
Figure 2E	Vibracore Sampling Locations, Sun Oil - Hog Island	1-7
Figure 2F	Vibracore Sampling Locations, BP Oil	1-8
Figure 2G	Vibracore Sampling Locations, Sun Oil - Marcus Hook	1-9
	Appendices	
Appendix A	Boring Logs	
Appendix B	Position Precision Calibration Report	
Appendix C	Chain-of-Custody Forms	
Appendix D	Results of Bulk Sediment Analyses, Results of Elutriate and	
	River Water Analyses, and Blank Analytical Results	
Appendix E	Bulk Sediment Grain Size Curves	
Appendix F	Bulk Sediment and Elutriate Initial Screening Levels	
Appendix G	Data Summaries for Bulk Sediment and Elutriate Sample Analyses	

Executive Summary

BLACK & VEATCH Waste Science, Inc. (BVWS) collected sediment samples for laboratory analysis from 16 locations in seven berthing areas along the Delaware River between Camden, New Jersey, and Marcus Hook, Pennsylvania from April 30 to May 3, 1995. The berthing areas and approximate sampling locations were preselected by the Corps. Collection of samples up to a depth of ten feet below the riverbed was accomplished using a ship-based rig-mounted Vibracore device.

In most of the study areas, alternating layers of very soft to soft organic silty clay and gray sand were encountered. At the Beckett Street Terminal site, a thin sand layer was present over a layer of clay and silty fine sand, possibly the Raritan Formation. At the Sun Oil-Marcus Hook study area very dense layers of sand and gravel (some of which were fill) were encountered and very little sample was recovered. Detailed boring logs for all study areas are provided in Appendix A.

Thirty-five samples were submitted to Nytest Environmental, Inc. for laboratory analyses. Samples were analyzed for organic and inorganic parameters using both bulk sediment and elutriate procedures.

Bulk sediment samples were analyzed for metals, pesticides, PCBs, alcohols, aldehydes, volatile and semivolatile organic compounds, total organic carbon, and grain size analysis. Elutriate samples were prepared using sediment samples and Delaware River water according to the procedure developed by the Corps. The elutriate samples were analyzed for specific total and dissolved metals, pesticides, PCBs, alcohols, aldehydes, semivolatile organic compounds, and volatile organic compounds (total only). Water from the Delaware River was collected for preparation of elutriates and for analysis of total constituents, including metals, pesticides, PCBs, alcohols, aldehydes, semivolatile organic compounds, and volatile organic compounds.

Bulk sediment and elutriate sample data were compared to initial screening levels provided by the Corps. The screening values were chosen by the Corps, and taken from ecological risk and human health risk studies. At most sampling locations, volatile organics and pesticides were not detected in both bulk sediment and elutriate testing samples. Semivolatile organic compounds were present in individual sediment samples taken at Beckett Street Terminal, Conrail, Packer Avenue Terminal, Sun Oil-Ft. Mifflin, and Sun Oil-Hog Island locations. Chemical concentrations exceeding bulk sediment screening levels ranged from below the laboratory detection limits to several parts per million (ppm). Aroclor-1254 was also detected in samples from the above locations. The highest concentration of Aroclor-1254 (0.55 ppm) was found in sample SFM-1-95-C-1.0 at the Sun Oil-Fort Mifflin facility. Metals detected in sediments with concentrations exceeding the screening levels included arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, thallium, and zinc. Results of the elutriate analyses indicated that

the elutriates had up to ten metals exceeding the acute water quality criteria. No other contaminants were detected in the elutriates at levels above the screening levels. There were no contaminants present in the river water sample with levels that exceeded the acute water quality criteria.

The Corps procedure for "compliance averaging" was utilized for sample results that exceeded the initial screening levels. The average of individual sample results was obtained for respective berthing areas and for all berthing areas combined.

Bulk Sediments

The bulk sediment compliance averaging results were compared to criteria values obtained from the New Jersey Department of Environmental Protection (NJDEP) Soil Cleanup Criteria which are separated into three categories: Residential Direct Contact, Non-Residential Direct Contact, and Impact to Groundwater. The Residential and Non-Residential criteria were established to address human health risks based on direct contact, while the Impact to Groundwater criteria were established to address the potential impact that a contaminant may have on the groundwater beneath a site.

Compliance averaging of the constituents detected at concentrations above the initial screening levels and subsequent comparison to the NJDEP Soil Cleanup Criteria revealed that 13 organic and eight inorganic constituents that were found above the initial screening levels in individual samples, when compliance averaged, were found at concentrations below the most stringent NJDEP Soil Cleanup criteria. Concentrations of organics (including up to seven semivolatile organics and one pesticide), when averaged for individual berthing areas, were above the Residential Direct Contact criteria (the most stringent levels for these constituents) but below the next most stringent criteria. Mean concentrations of cadmium in individual berthing areas were above the Residential Direct Contact Cleanup standard of 1,000 µg/kg, but below the Non-Residential standard of 100,000 µg/kg. Average concentrations of two semivolatile organics and one pesticide were above the Residential and Non-residential Direct Contact criteria, but below the Impact to Groundwater criteria in samples representing individual berthing locations. Average thallium results at the BP Oil location exceeded the Residential and Non-Residential values, which were both 2,000 µg/kg. There is no Impact to Groundwater criteria value for thallium. Average thallium results for all other individual berthing areas, and for all berthing areas, were below the Residential and Non-Residential value. Concentrations, when averaged over all berthing areas, exceeded the most stringent NJDEP Soil Cleanup criteria of three semivolatile organics, two pesticides, and cadmium. Exceedences for these constituents, specifically bis(2-chloroethyl)ether, hexachlorobenzene, dieldrin, and toxaphene resulted from the laboratory's reporting limit, which was not as low as criteria values, since the compounds were not detected in any N-nitroso-di-n-propylamine and cadmium mean calculations included concentrations which were below the Impact to Groundwater and the Non-Residential Direct Contact criteria values, respectively.

Elutriates

The Corps procedure for compliance averaging was utilized for elutriate sample results that exceeded the acute water quality criteria. The average of sample results was obtained for respective berthing areas and for all berthing areas. The averages were compared again to the acute water quality criteria. The averaging over individual berthing areas shows that total aluminum, total and dissolved copper, total silver, and total zinc were found at concentrations above the criteria levels. Dissolved aluminum, total cadmium, total lead, and dissolved zinc were found in six of the seven individual berthing areas at mean concentrations above the criteria.

The mean concentrations of the metals found above criteria levels in individual berthing areas, when averaged over all berthing areas, exceeded criteria values. Additionally, total metals including cobalt and vanadium, and dissolved metals including lead and silver, were found in at least one berthing area at mean concentrations exceeding the criteria.

1.0 Introduction

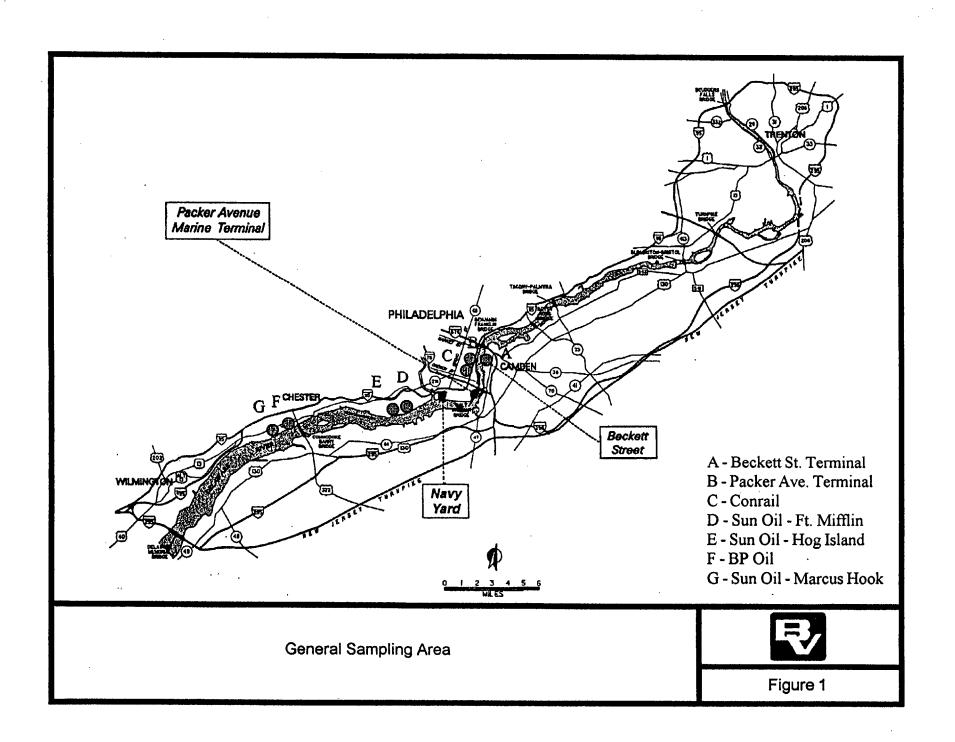
The U. S. Army Corps of Engineers (Corps), Philadelphia District, retained BLACK & VEATCH Waste Science, Inc. (BVWS) to collect 16 vibracore sediment samples at seven berthing locations along the Delaware River. BVWS conducted the sediment collection between April 30, 1995 and May 3, 1995. The general study area is shown on Figure 1 and sample locations are indicated on Figures 2A through 2G. Table 1 lists the boring locations along the Delaware River between Beckett Street Terminal at Camden, NJ and Sun Oil at Marcus Hook, PA.

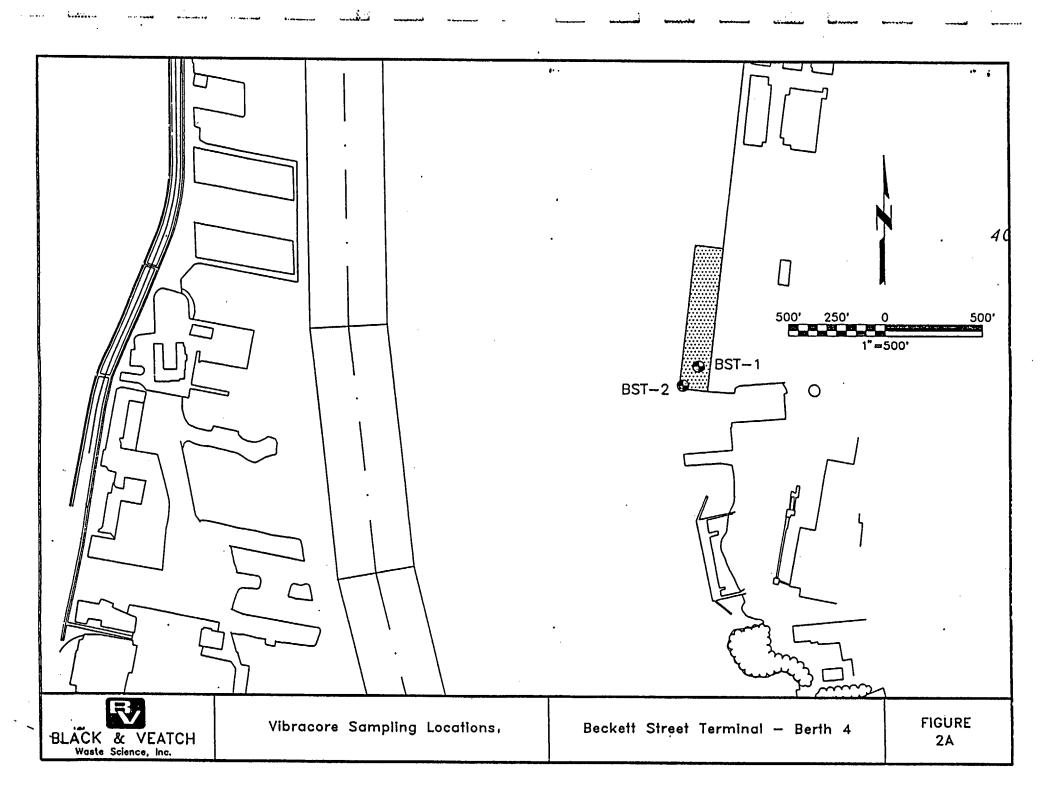
This investigation is part of the Delaware River Comprehensive Navigation Study (Study). The Study consists of evaluating the existing conditions that affect waterborne commerce on the Delaware River from Trenton, NJ to the Atlantic Ocean; identifying the need for any modification to the existing channel dimensions and anchorage areas; and developing a regional plan for disposal of dredged material.

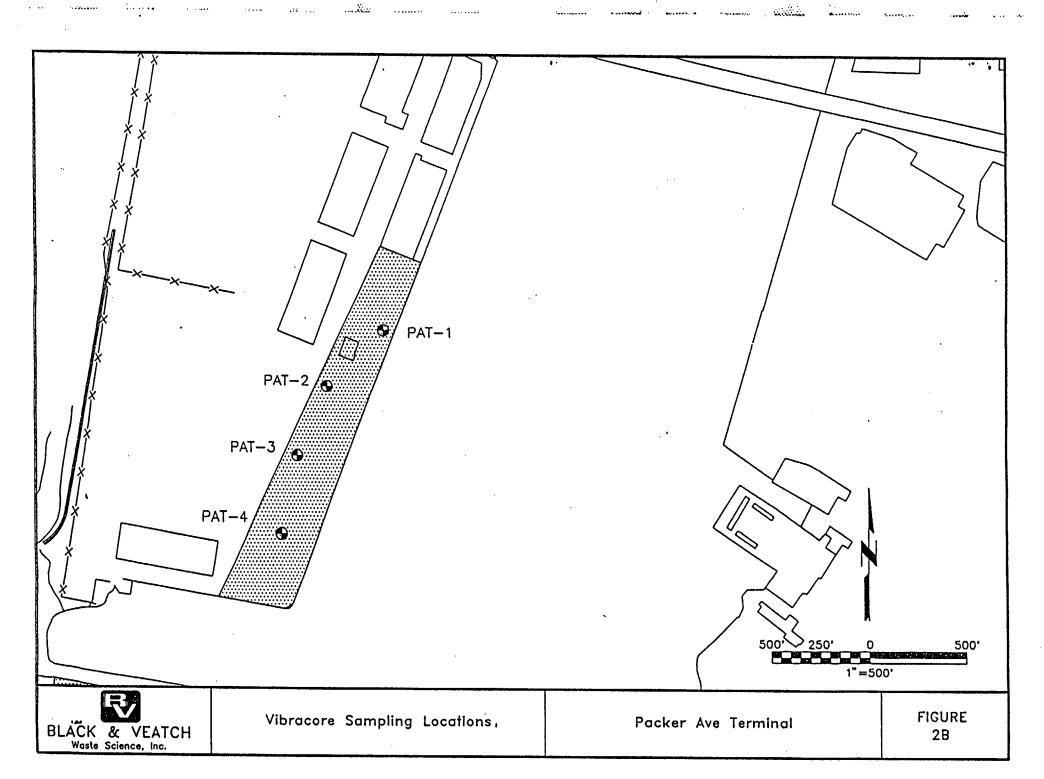
A Main Channel Deepening Interim Feasibility Report and Environmental Impact Statement was completed in February 1992. The recommendations of the report included deepening the existing federal navigation channel from 40 feet to 45 feet at mean low water from the Delaware Bay to the Philadelphia/Camden waterfront. The proposed project includes all appropriate bend widening as well as provision for a two space anchorage at Marcus Hook, PA. Approximately 50 million cubic yards of dredged material would be produced for initial construction during a five year period. Dredged material from the river would be placed in additional confined upland disposal areas.

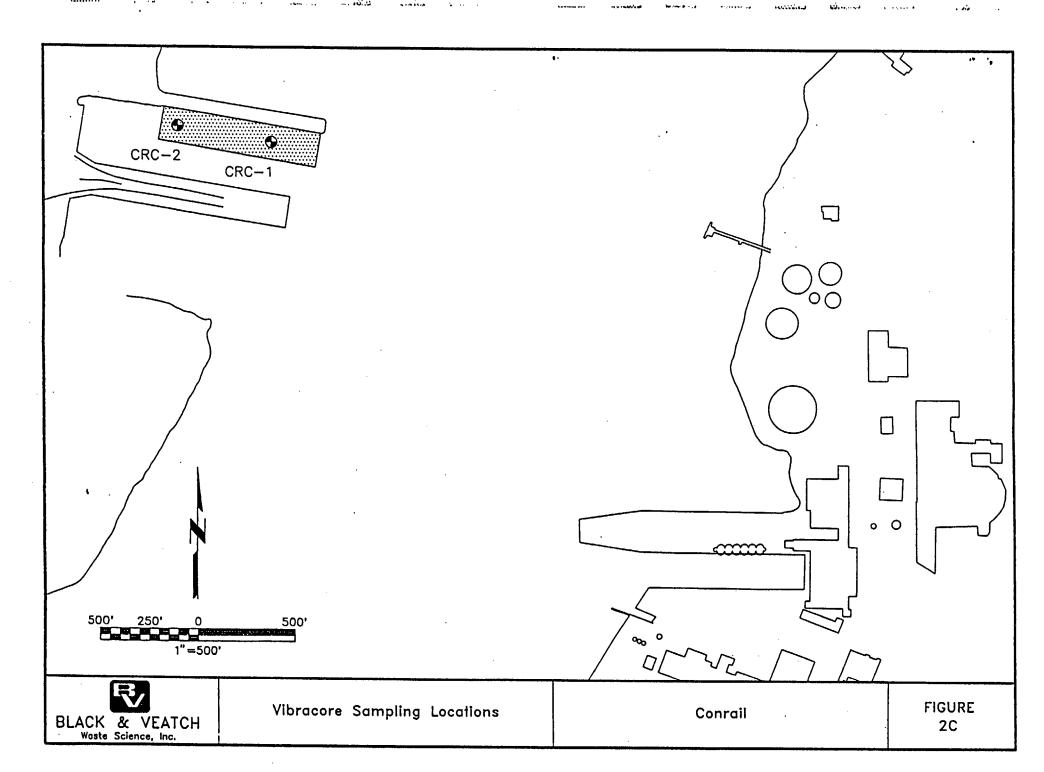
The purpose of this investigation is to provide data to evaluate the potential environmental impact of dredging commercial berthing areas associated with the deepening of the ship channel along the Delaware River. Under Delivery Order 5 of Contract No. DACW61-94-D-0013, sediment cores were collected and processed for laboratory analysis. Under Delivery Order 6 of the same contract, the sediment samples were analyzed for the chemical and geotechnical parameters that were needed to assess the presence and possible release of contaminants during dredging and after disposal. Elutriate tests were also performed to simulate contaminant release during sediment suspension. Analytical results were compared to initial screening levels, as provided by the Corps.

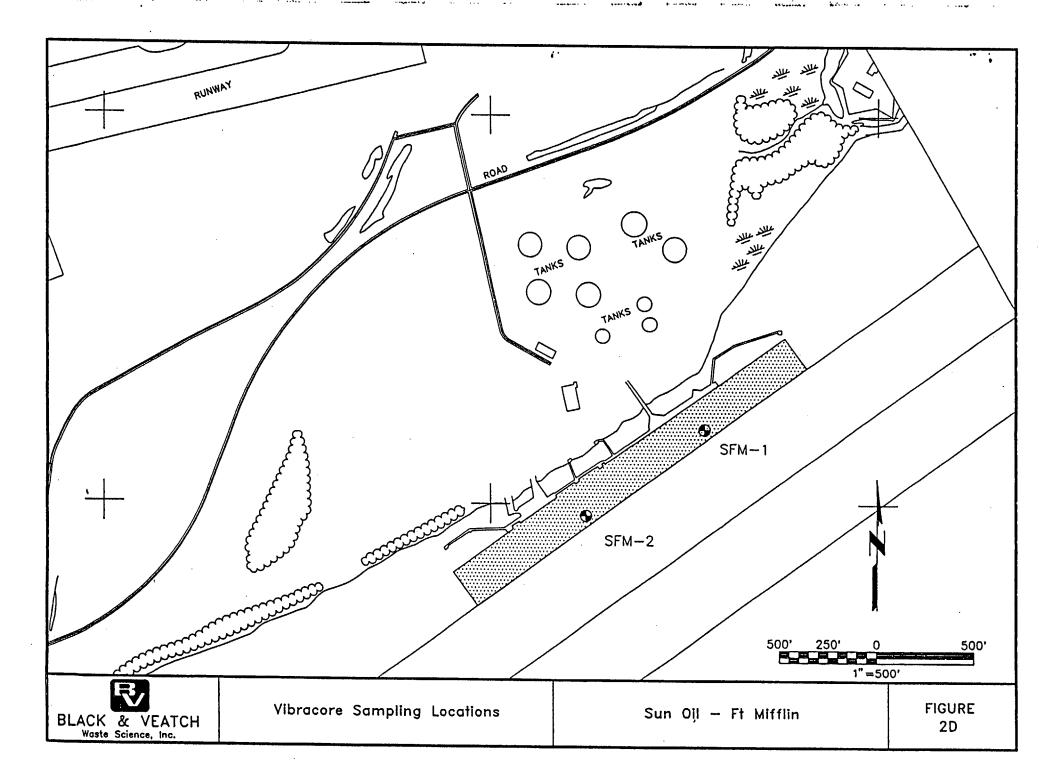
The Corps has two concerns regarding the chemical composition of the dredged material. The first is the potential short term water quality degradation arising from disturbance of bottom sediments. The sediments disturbed during dredging may carry contaminants such as organic compounds and heavy metals that can be released and become biologically available. The second concern is the long term impact associated with the dredged material at disposal sites. Upland disposal of contaminated sediments can result in groundwater contamination, exposure of ecological receptors to contaminants, and can adversely affect human health.

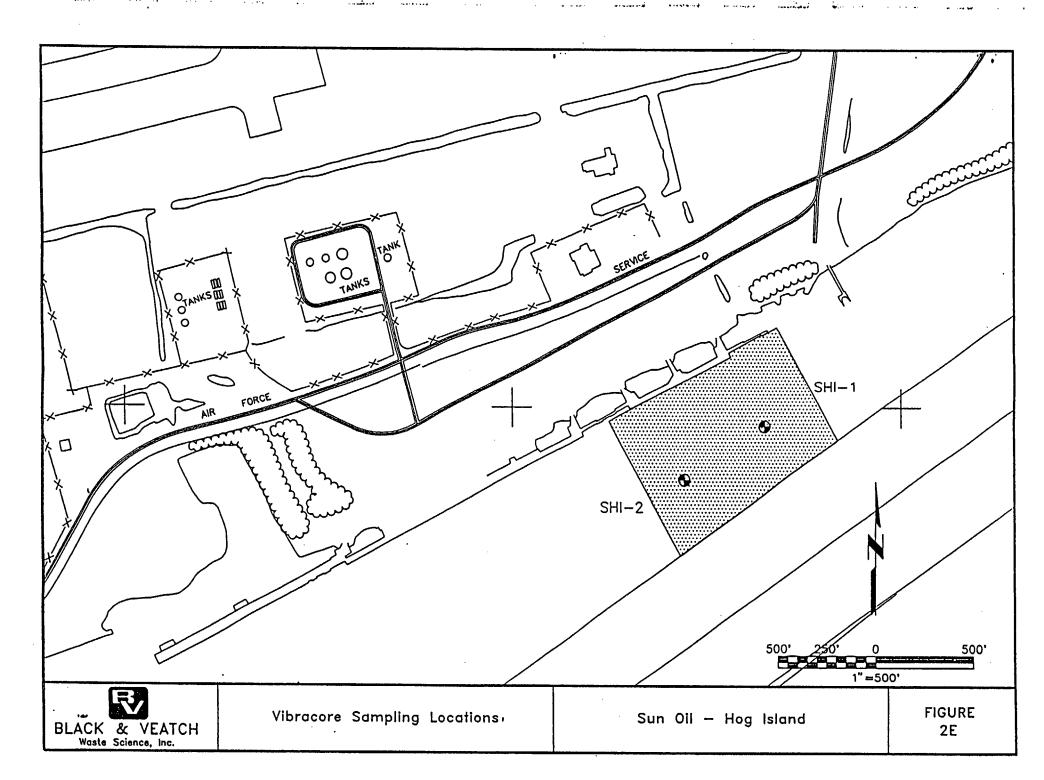


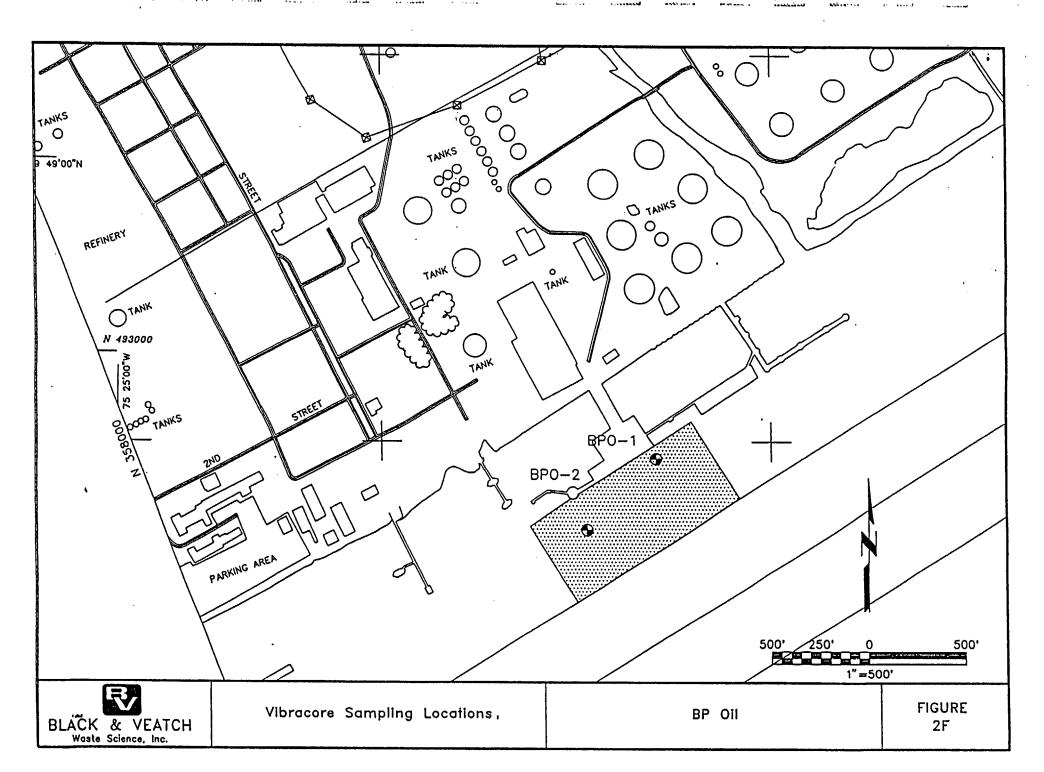












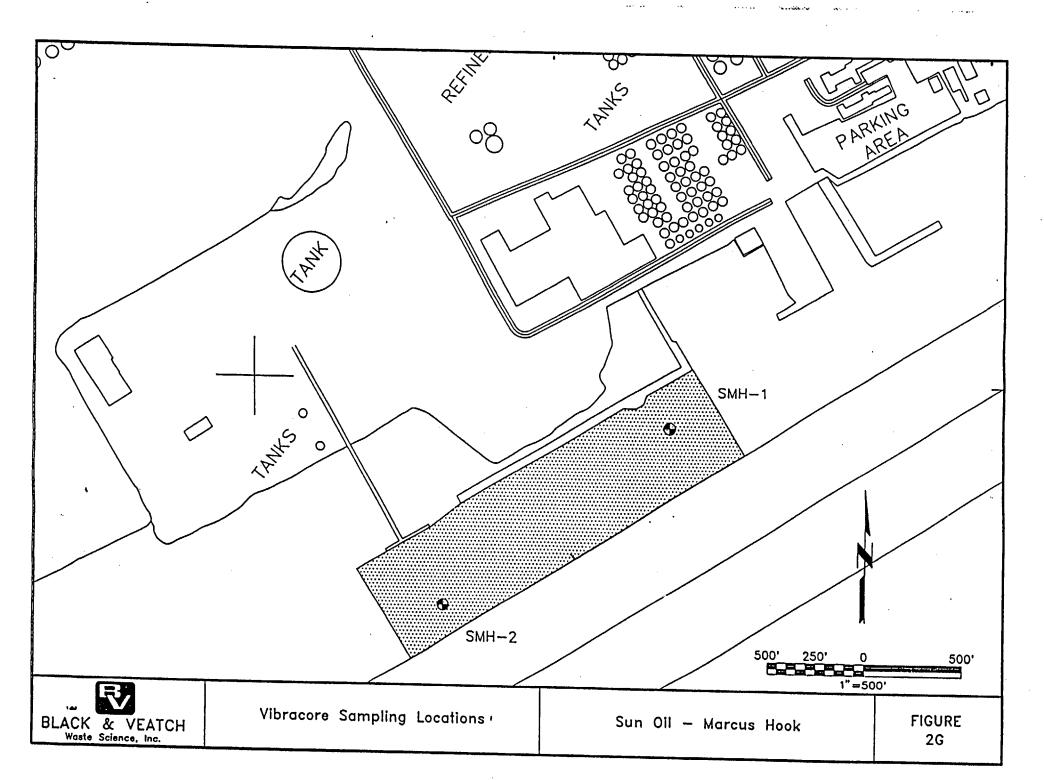


Table 1 Sampling Locations

Facility	Berth	Sample Number	Coordi	nates
			Northing	Easting
Beckett St. Terminal	Berth 4	BST-1-95	704307.23	735833.40
	•	BST-2-95	704196.31	735744.54
Packer Avenue Terminal	Berth 2	PAT-1-95	693100.79	735571.44
	Berth 3	PAT-2-95	692351.76	735192.11
	Berth 4	PAT-3-95	692023.11	735081.68
	Berth 5	PAT-4-95	691551.94	734969.71
Conrail	Pier 122 South	CRC-1-95	690592.85	734117.51
		CRC-2-95	690681.47	733679.98
Sun Oil - Fort Mifflin	Berth B	SFM-1-95	681164.17	712429.84
	Berth A	SFM-2-95	680743.02	711841.74
Sun Oil - Hog Island	Spillway 4	SHI-1-95	678661.76	708673.07
		SHI1-2-95	678480.59	708218.52
BP Oil	Dock I	BPO-1-95	660044.80	659001.20
		BPO-2-95	659705.09	658677.90
Sun Oil - Marcus Hook	Pier 3A	SMH-1-95	658031.15	655862.92
	Pier 3C	SMH-2-95	657048.40	654627.98

1. Horizontal coordinates are listed as NAD 83 Delaware State Plane Coordinate System.

The chemical results of the bulk sediment and elutriate tests suggest the need for additional evaluation of environmental impact posed by dredging. Depending on dredging method and the type of disposal after dredging, different evaluation procedures are required to ensure minimal release of contaminants from dredging locations and disposal sites.

Based on mobility and remobilization mechanism, the contaminants found in the sediments can be divided into two groups, the organic contaminants and the metal contaminants. The organic compounds, primarily semivolatiles, are typically bound to the naturally occurring organic substances in sediments. This is evidenced by the occurrences of these contaminants in the soft top layer of organic clay (e.g., Packer Avenue Terminal). The primary mechanism for these contaminants to be mobilized is by resuspension of the sediments. During resuspension, the contaminants are expected to largely remain in particulate forms, as indicated by the elutriate tests.

The metal contaminants, in contrast, may be released in dissolved form from the resuspended sediments. The processes affecting the metal release can be complex, but

redox condition is always a significant factor when the anoxic bottom sediments are exposed to oxygen in the overlying water. Oxidation of sulfide species can result in the release of dissolved heavy metals such as cadmium, copper, lead, and zinc into the water column.

Contaminant levels in sediments should be considered to select the appropriate dredging method. In berthing areas such as Packer Avenue Terminal and Conrail where contaminant levels are high and the top layer sediments are mostly soft and fine grained, hydraulic dredging may be desirable to minimize contaminant release during dredging. In other berthing areas such as Beckett Street Terminal, mechanical dredging may be appropriate because the top 5 feet is mostly coarse material and only a small quantity of contaminants is expected to be in the sediment.

Because of the contaminants found in the sediments, additional evaluations may have to be performed during the selection of disposal sites. These evaluations include potentials for surface runoff, groundwater leaching, and biological uptake of the contaminants. Proper runoff control needs to be in place because the contaminant carrying sediments are often fine grained. Contaminants may often be leached into groundwater after the onceanoxic sediments are exposed to oxygenated rain water infiltrating the vadose zone. Without proper cover on the contaminated sediments, the contaminants may enter the food chain through plant uptake and animals. These concerns should be properly addressed to ensure an environmentally sound disposal.

Chemical data were evaluated further by means of the Corps procedure for compliance averaging after the results of the chemical analyses were completed. Arithmetic means were calculated for individual berthing areas and for all berthing areas for constituents that exceeded initial screening levels. The means were compared to applicable criteria, in order to determine whether criteria could be exceeded during dredging or disposal of river sediments.

2.0 Methodology

2.1 Sample Collection and Analysis

BVWS conducted vibracoring from April 30, 1995 through May 3, 1995. Sixteen vibracores were collected from seven berthing locations between Beckett Street Terminal at Camden, NJ and the Sun Company refinery at Marcus Hook, PA along the Delaware River. The approximate coring locations were predetermined by the Corps and provided on drawings. Based on these locations, target coordinates (latitude/longitude) were determined by BVWS. The coring vessel was positioned in the field using the Differential Global Positioning System (DGPS) and code tracking from Transit System Satellites. The procedures for position accuracy calibration are documented in Appendix B. Location adjustments were made whenever the target coring locations were occupied by vessels.

Sediment cores of approximately 3.5 inches in diameter were obtained using a pneumatic impacting piston vibrator on top of a drive pipe made of standard 4-inch steel pipe. A 3.5 inch inner diameter clear plastic liner was fitted within the steel pipe to contain the core sample for ease of handling and storage. A cutterhead with a 3.5-inch inside diameter and 4.5 inch outside diameter was threaded onto the liner and drive pipe. A steel trap was inserted into the cutterhead to improve core recovery upon removal from the riverbed sediments. Coring was completed when either the cutting edge penetrated the target depth of ten feet or refusal was met. The drive pipe and cutterhead extension totaled ten feet in length. The top end of the drive pipe was attached to a flanged connection which was unable to pass through a base plate on the rig, so that the depth of penetration could not exceed ten feet. Refusal was defined as less than one foot of penetration after five minutes of vibration. If refusal was met, two additional coring attempts were made in the sample location area. When making the second and third attempts, jetting was conducted to the refusal depth and then vibration continued until the ten foot total target penetration was reached by combining all of the attempts or until refusal was met. Jetting used a pneumatically actuated jet pump to force water through the steel pipe and prohibits material from entering the drive pipe. Coring depths were recorded using either a penetrometer or a measuring tape mounted to the piston vibrator and recording depths as the drive pipe and vibrator head penetrated the riverbed. The target depth of ten feet below the river bottom was penetrated by the coring device and sample recovery was generally better than 80%.

Sediments of a very soft, slightly liquid consistency were collected. At some locations the uppermost sediments may have had a more fluid consistency and had been unable to pass through the steel trap in the cutting edge and enter the plastic liner. At locations with a soft upper layer of sediments the vibrator rig sank during vibration to a depth at which the sediments could support the rig. This depth was noted by the amount of mud on the supports of the rig after it was brought to the surface.

After removal of the plastic liner from the steel pipe, the amount of recovery was documented, and the liner was cut into five foot segments for ease of handling and storage. Each five foot segment was labeled to indicate sample location, the top and base sections, and orientation of core. Both ends of the five foot liner segments were capped with plastic caps and sealed with pressure sensitive tape. These segments were then refrigerated at 4° Celsius.

The liners were cut lengthwise to log and sample the cores using a 150-tooth steel plywood blade mounted on a circular saw. The cutting depth was adjusted so that only the liner was cut, allowing minimal sample disturbance. All of the samples collected from one sample location were opened and placed on plastic sheeting. Geological characteristics of the sample were recorded. Depths of different strata were measured from the top of the core.

After the geological characteristics and strata depths were recorded, sediments were prepared for chemical and geotechnical analysis from each core. Each sediment strata greater than six inches constituted a separate sample. A representative sample from each strata was collected for headspace analysis, sieve analysis, organics and inorganics analyses, and elutriate tests. The samples for headspace and volatile organic chemical (VOC) analyses were collected first using sediment from the interior portions of the core without homogenization. Sediment collected for geotechnical analysis was collected from either the exterior portions of the core or from areas potentially exposed to crosscontamination. When each strata was sampled for analysis other than VOC, the sediments were removed from the plastic liner, homogenized in stainless steel bowls, and packaged in amber glass jars. After packaging of the sediment samples in appropriate containers, the containers were stored on ice to cool the samples to 4° Celsius. The sediment samples were identified using the following Corps procedures: sample location - C or G (to indicate either chemical or geotechnical analysis) - depth of strata below top of core. The geotechnical samples were submitted for sieve analysis. The sediment samples were submitted to the laboratory for bulk analysis and elutriate preparation. Table 2 lists the samples collected, and approximate thickness of strata included in the sample.

Headspace analysis was used to field screen the sediments and provide an indicator of VOC concentrations. Headspace analysis was conducted by placing a small amount of sediment (approximately 1 tablespoon) into a mason jar, covering the jar with aluminum foil, and then sealing the lid. The jar was then shaken for approximately two minutes and exposed to sun light for approximately 15 minutes to encourage volatilization of chemicals in the sediments. Using an Organic Vapor Analyzer (OVA), the concentration of volatile organics was measured and recorded. Table 2 depicts the results of the headspace analyses. Background values were not subtracted from these readings. Background values ranged from 2 to 8 ppm during the study.

Table 2 Sample Summary

Sample Identification	Estimated Strata	Headspace	Collection	Collection
•	Thickness (feet)	Analysis (ppm)	Date	Time
BPO-1-95-C-0.0	6.2	400	5/2/95	1324
BPO-1-95-C-6.2	1.8	26	5/2/95	1324
BPO-2-95-C-0.0	4.1	250	5/2/95	1646
BPO-2-95-C-4.1	4.2	250	5/2/95	1646
BST-1-95-C-0.0 ^{2,4}	1.0	N.A.	4/30/95	0851
BST-1-95-C-1.0*	2.75	52	4/30/95	0851
BST-1-95-C-3.75 ⁴	5	10	4/30/95	0851
BST-2-95-C-0.0	0.75	68	5/3/95	1317
BST-2-95-C-0.75	9.1	8	5/3/95	1317
CRC-1-95-C-0.0	3.5	>1,000	5/1/95	1332
CRC-1-95-C-3.5	>5.0	N.A. ³	5/1/95	1332
CRC-2-95-C-0.0	4.5	710	5/1/95	1351
CRC-2-95-4.5	2.9	50	5/1/95	1351
CRC-2-95-C-7.4	2.6	N.A. ³	5/1/95	1351
PAT-1-95-C-0.0	2.3	120	5/1/95	1620
PAT-1-95-C-2.3	>5.0	12	5/1/95	1620
PAT-2-95-C-0.0	>5.0	110	5/1/95	1218
PAT-2-95-C-6.8	0.8	38	5/1/95	1218
PAT-2-95-C-7.6 ²	0.5	12	5/1/95	1218
PAT-3-95-C-0.0	>5.0	92	5/1/95	0832
PAT-3-95-C-5.5 ²	0.75	11	5/1/95	0832
PAT-3-95-C-6.25	2.25	94	5/1/95	0832
PAT-4-95-C-0.0	>5.0	N.A.³	4/30/95	1154
PAT-4-95-C-5.0	4.0	N.A.³	4/30/95	1154
SFM-1-95-C-0.0	1.0	>1,000	5/3/95	1131
SFM-1-95-C-1.0	2.3	840	5/3/95	1131
SFM-1-95-C-3.3	3.1	720	5/3/95	• 1131
SFM-1-95-C-6.4	3.44	340	5/3/95	1131
SFM-2-95-C-0.0	5.0	920	5/3/95	1152
SFM-2-95-C-5.0	5.15	460	5/3/95	1152
SIII-1-95-C-0.0	4.6	>1,000	5/3/95	0917
SHI-1-95-C-4.62	2.1	22	5/3/95	0917
SHI-1-95-C-6.7	2.46	460	5/3/95	0917
SHI-2-95-C-0.0	5.1	>1,000	5/3/95	1058
SHI-2-95-C-5.1	2.7	22	5/3/95	1058

Table 2 (continued)

Sample Identification ^t	Estimated Strata Thickness (feet)	Headspace Analysis (ppm)	Collection Date	Collection Time
SHI-2-95-C-7.8 ²	0.4	12	5/3/95	1058
SMH-1-95-C-0.0	1.4	10	5/2/95	1748
SMH-1-95-C-1.4	1.2	9	5/2/95	1748
SMH-2-95-C-0.0-R1	1.7	16	5/2/95	1008
SMH-2-95-C-0.0-R2	2.5	9	5/2/95	1036

- These sample identification names are for chemical samples only, geotechnical samples were identified similarly except the C was replaced with a G.
- Due to contract constraints, five samples had to be withheld from laboratory analysis. After consultation with the Corps, these samples were chosen based on insufficient volume and low headspace analysis values.
- Ileadspace analysis values were not available for these samples due to equipment failure caused by inclement weather.
- Due to an error in measurement during logging the sample, the depths of the three samples at BST-1-95 were mislabeled prior to shipping them to the lab. The top of strata depths at this location should all be two feet higher. The depths listed in this table are correct, and correlate with the nearby BST-2-95 strata.

On April 30, 1995, approximately 200 gallons of river water were collected for use in the elutriate preparation and analysis. This river water was collected off Pier 9 using a low-flow peristaltic pump. The collection tubing was suspended approximately 10 feet from the pier edge and greater than 50 feet (or 15 meters) from any field identifiable source of pollution. Collection began at 1351 hours and ended at 0050 hours on May 1, 1995. River water was collected in 5 gallon plastic jugs, placed in a cooler and surrounded with ice to cool the samples to 4° Celsius.

Also on April 30, 1995, one river water sample was collected at 1557 hours for chemical analysis. This sample was identified as RIVH2O and collected directly from the pump tubing during the water collection for elutriate preparation. After collection, the sample containers were surrounded with ice and packaged in a cooler for shipment to the laboratory.

Because of contract constraints, only 35 samples could be submitted for laboratory analysis; however, 40 samples were collected. After consultation with the Corps, five samples were deleted from laboratory analysis. Deletion was based on these samples being representative of thin strata and having low headspace readings when compared with other samples collected from the same location. The five samples that were not analyzed are identified in Table 2.

Bulk sediment and elutriate samples were analyzed by methods found in United States Environmental Protection Agency (USEPA) SW-846 Test Methods. Elutriates were prepared following the modified elutriate test, as outlined in the Delivery Order. The elutriates were prepared within seven days of sample collection and labeled to correspond with the sediments. One sample of river water was analyzed for total chemical constituents as per USEPA SW-846 Test Methods.

Sample chain-of-custody forms are located in Appendix C. Laboratory data packages were submitted under separate cover to the Philadelphia District, USACE. All laboratory analytical services were provided by Nytest Environmental, Inc., a validated USACE Missouri River Division (MRD) laboratory. Appendix D contains the results of the laboratory analyses as discussed in Section 2.2.

To establish the validity of data obtained from the sampling effort, QC samples were submitted to the laboratory for chemical analysis. The QC samples included one duplicate, one equipment rinse blank, and daily trip blanks. The rinse blank was collected on May 4, 1995 at 1020 hours, and designated RB0504. It was collected by pouring laboratory provided deionized water over a decontaminated bowl and spoon used to homogenize the sediments prior to packaging in amber glass bottles.

All of the stainless steel bowls, spoons, and putty knives were decontaminated following Corps procedure. The Corps procedure included the following ten step decontamination process:

- · wash with Alconox and tap water
- tap water rinse
- deionized water rinse
- 10% Nitric Acid rinse
- deionized water rinse
- hexane rinse
- deionized water rinse
- acetone rinse
- · deionized water rinse
- air dry

Other decontamination procedures used during the sampling event included an Alconox and tap water wash on the plastic liners and steel traps, and pumping greater than ten times the volume of water held inside the tubing used to collect the river water prior to water collection.

2.2 Data Analysis

Bulk sediment and elutriate sample analytical results were compared to initial screening levels and exceedences were highlighted (see tables in Appendix D). The chemical

constituents detected above the screening levels were examined further by utilizing compliance averaging. In addition, analytical results for chemical constituents that were reported as undetected by the laboratory at concentrations that exceeded the applicable screening levels were examined using compliance averaging. The reporting limits were used in this compliance averaging.

Initial screening values for the bulk sediment samples were a combination of human health risk and ecological risk standards. The human health risk standards used were the NJDEP Soil Cleanup criteria, which are separated into three categories: Residential Direct Contact, Non-Residential Direct Contact, and Impact to Groundwater. The Residential and Non-Residential criteria were established to address human health risks based on direct contact with soil, while the Impact to Groundwater criteria were established to address the potential impact that a contaminant may have on the groundwater beneath a site. Ecological standards included Effects Range-Low (ER-L) and Effects Range-Median (ER-M) values, reported by Long et. al., which are ecologically-based screening values for determining potential toxicological risks to benthic macroinvertebrate communities in sediments. The ER-L values are concentrations that during laboratory tests caused adverse effects in 10% of the study population, while the ER-M values caused adverse effects in 50% of the study population. Other ecological risk standards included USEPA Sediment Quality Criteria for Fresh Waters and for Salt Waters.

Elutriate sample data were compared to initial screening levels termed Acute Water Quality Criteria, as provided by the Corps. The criteria are ecologically-based screening values used to determine potential risk to aquatic organisms from contaminants present in the water column.

Compliance averaging involved obtaining arithmetic mean concentrations of chemical constituents for each berthing area and for a combination of all berthing areas. Sample results were used in the calculations if constituents were detected. The laboratory reporting limits were utilized if constituents were reported as undetected by the laboratory. The use of the laboratory reporting limits to calculate means for undetected constituents resulted in a conservative mean concentration, since the constituents were either not present or were present at lower concentrations than the laboratory could detect.

The compliance average results were compared to criteria values obtained from NJDEP Soil Cleanup criteria. Prior to comparing mean data to the NJDEP Soil Cleanup criteria, the lowest value from the three categories was identified. This lowest value, the most stringent, was then used for comparison to mean data. If any exceedences were noted, then further comparisons to the remaining two NJDEP Soil Cleanup criteria values, which were less stringent, were made.

3.0 Results

Sufficient sediment recovery of a minimum of eight feet was obtained at fourteen of the sixteen boring locations. More than one attempt was made at seven of the boring locations in order to obtain sufficient sediment recovery. Two of the boring locations met refusal prior to collection of sufficient recovery.

At two of the boring locations, SMH-1-95 and SMH-2-95, both located at Sun Oil -Marcus Hook, refusal was met prior to obtaining eight foot recovery. SMH-2-95 (near Pier 3C) was attempted first and encountered refusal at 28 inches below the river bottom. A retry at this location did not make any additional penetration. At this time, the field crew was concerned about the two pipelines that were located within the sampling area and moved to locations BPO-1-95 and BPO-2-95 to conduct coring. After consultation with the Corps and verification of sampling location coordinates, the crew returned to the Sun Oil - Marcus Hook Pier 3A for the second boring location, SMH-1-95. Three boring attempts were made at SMH-1-95 and all met refusal. The first and third attempts had zero recovery. On the second attempt 30 inches of sediments were recovered; even though the penetrometer indicated a 10 foot penetration, and the steel drive pipe enclosing the liner was bent approximately seven to eight feet above the cutting edge. cutterhead edge was also bent during vibration. SMH-1-95 and SMH-2-95 appear to have met refusal at the same layer. Because of this the crew did not return to SMH-2-95 to complete the second retry. The low recovery cores from each location were kept and processed for laboratory analyses.

The study area at Beckett Street Terminal was occupied by vessels, and samples could not be collected at the target locations. After consulting with the Corps, the locations were adjusted toward the south end of the berth.

3.1 Strata

In most of the study areas, alternating layers of very soft to soft organic silty clay and gray sand were encountered. At the Beckett Street Terminal study area, a thin sand layer was present over a layer of clay and silty fine sand. At the Sun Oil-Marcus Hook study area, very dense layers of sand and gravel (some of which is fill) were encountered and little sample recovery could be achieved.

General descriptions of the sediments retrieved at the seven study areas are listed below, going from north to south. Detailed boring logs were completed and are provided in Appendix A.

At the Beckett Street Terminal study area, a thin strata of sand (thickness 0.75 to 3.7 feet) was found above a strata of red clay and white fine silty sand, possibly the Raritan Formation.

At the Packer Avenue Terminal study area, three strata were encountered; two layers of silty clay separated by a sand. The top strata (thickness 1.7 to 6.8 feet) was very soft organic silty clay. The second strata was a gray sand or gravelly sand. At PAT-3-95 this gravelly sand extended to the base of the sample and was more than 6.4 feet thick. The base strata at locations PAT-1-95 through PAT-3-95 was a very soft to soft organic silty clay which exhibited laminations of sand.

At the Conrail location, layers of organic silty clay and sand were found. In CRC-1-95, only organic silty clay was encountered. At CRC-2-95, a 4.5 foot thick layer of organic silty clay was present above alternating layers of a similar organic clay and sand.

At the Sun Oil - Hog Island study area, strata similar to those seen at the Packer Avenue Terminal study area were encountered. An upper layer of very soft organic silty clay (up to 5.1 feet thick) overlaid a sand layer (up to 2.7 feet thick), which in turn overlaid another organic silty clay strata which contained numerous fine sand laminations.

At the Sun Oil - Fort Mifflin study area, alternating strata of organic silty clay and sand with some silt were found. These strata were similar to the lower strata of the Sun Oil - Hog Island and Packer Avenue Terminal areas in that there were numerous fine laminations of sand, silt, clay, and organic material. These laminations are attributed to seasonal depositional variations along the Delaware River channel.

At the BP Oil study area, an upper strata was encountered of very soft organic silty clay which comprised all of sample BPO-2-95 and went to a depth of 6.2 feet in sample BPO-1-95. The bottom 1.2 feet of BPO-1-95 contained a gray sand similar to that found below the organic silty clay in other study area described above.

At the Sun Oil - Marcus Hook study area, no material was recovered past a depth of 2.6 feet below the river bottom. Some fine sandy silt was found as the top strata of SMH-1-95, but the rest of the sediments were very dense sand and gravel. Some concrete and other possible fill material were retrieved at the SMH-2-95 location.

3.2 Laboratory Analysis

The rinse blank was tested for sediment parameters, and only very low levels of volatile organics were detected. The organics included toluene at 1J μ g/L, acetone at 29 μ g/L, and methylene chloride at 2JB μ g/L.

Only two volatile organic compounds were detected in trip blanks. Trip blanks TB0504 and TB0504A had 36 and 15 µg/L acetone, respectively. All five trip blanks had levels up to 5J µg/L methylene chloride. These two compounds are common laboratory contaminants. The blank detections therefore should not significantly affect the overall quality of the data.

A field duplicate, PAT-2-95-C-D, was submitted for bulk sediment and elutriate procedures. The results were compared to PAT-2-95-C-0 and were found to be generally consistent. Chemical testing data for the rinse blank and the trip blanks are tabulated in Appendix D.

3.2.1 Bulk Sediment Analytical Results

Chemical properties of the sediment samples were evaluated upon receipt of the laboratory results. Chemical testing results and grain size curves for the bulk sediment samples can be found in Appendices D and E, respectively. Table 1 in Appendix F contains the bulk sediment initial screening levels. Chemical concentrations that exceeded screening levels are highlighted in the Appendix D tables and include various semivolatile organic compounds and metals. Cyanide was not detected in any of the sediment samples.

Sediment results for total organic carbon analysis indicated that levels ranged from approximately 600 to 90,000 parts per million, the highest levels found at sample location PAT-2-95 at the top strata. For two samples, the total organic carbon was analyzed using aliquots designated for the geotechnical testing (CRC-1-95-C-0 and CRC-1-95-C-3). However, the results of the analysis were not significantly affected.

3.2.2 Elutriate Analytical Results

Analytical results for the elutriate samples and the river water sample are tabulated in Appendix D. Table 3 in Appendix F contains the Acute Water Quality Criteria for use as initial screening levels as provided by the Corps. Chemical concentrations that exceed these screening values are highlighted in the tables, and include up to ten metals in individual samples.

The elutriate tests commenced within seven days of sample collection for all of the samples. The laboratory noted that the samples did not settle or filter well during preparation due to the silty nature of the sediments. Upon addition of preservatives, some of the samples separated into two phases. The laboratory homogenized the samples thoroughly prior to performing chemical analyses in order to obtain a representative sample.

Total suspended solids results for the elutriates ranged from approximately 300 to 14,000 parts per million. Chloride was detected at levels up to 22 parts per million. Total residual chloride was either not detected or found at extremely low levels. Cyanide was not detected in any samples.

Results for total dissolved solids were under 100 parts per million. Chloride, total residual chloride, and cyanide were undetected or present at very low levels.

Hexavalent chromium was not detected in any of the samples taken for the entire project. However, several elutriate samples were analyzed several hours outside of the 24 hour holding time for hexavalent chromium. The laboratory indicated that the samples involved were received five days into a seven day holding time for elutriate preparation and due to the difficulty in filtering the samples, the analysis was delayed. Hexavalent chromium was not expected to be present in these samples because of the anoxic nature of the sediments.

3.2.3 Compliance Averages Comparison

Further evaluation of the bulk sediment analytical results was conducted using compliance averaging techniques. Results of the compliance averaging data analysis indicated that mean values for eleven organic compounds and two metals exceeded the most stringent criteria in individual berthing locations; while the mean values when averaged for all berthing areas for five organic compounds and one metal exceeded or were the same as the most stringent values. Section 4.0 contains a discussion of the chemical constituents of which the concentrations exceeded initial screening levels and compliance averages exceeded additional criteria values.

Compliance averaging results indicated that several total and dissolved metals results were above criteria values. Total aluminum, total and dissolved copper, total silver, and total zinc were found at mean levels above the criteria. The mean concentration for all berthing areas for the metals listed above detected in most or all of the individual locations was also above the respective criteria levels. Additionally, total metals including cobalt and vanadium, and dissolved metals including lead and silver, were found in at least one berthing area at mean concentrations exceeding the criteria. A discussion of these constituents is found in Section 4.0.

3.3 Exceptions

For some constituents, the laboratory was not able to achieve detection levels in some or all of the bulk sediment and elutriate samples as low as the applicable screening levels. In some cases, the moisture content in the sediments elevated the reporting limit. Additionally, the need to analyze certain samples at 1:2 and 1:3 dilutions in order to maintain peaks on scale and to obtain the appropriate peak resolutions prevented obtaining analytical results below screening levels. When possible, the sample extracts were analyzed undiluted to report the lowest concentrations possible.

Bulk sediment constituents that had reporting limits greater than the screening values included bis(2-chloroethyl)ether, hexachlorobutadiene, acenaphthylene, 2,6-dinitrotoluene, acenaphthene, fluorene, hexachlorobenzene, anthracene, fluoranthene, pyrene, 3,3'-dichlorobenzidine, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, aldrin, dieldrin, endrin, toxaphene, PCBs, and mercury. The elutriate constituents involved included hexachlorocyclopentadiene, 2,4,6-trichlorophenol, phenanthrene, benzo(a)anthracene, 1,2-diphenyl-n-hydrazine, toxaphene, chloropyrifos, parathion, and formeldehyde. Arithmetic means were calculated for these analytes using any detectable

concentrations along with the laboratory detection limits, in order to further evaluate the results.

A number of sediment and elutriate samples were re-extracted and re-analyzed for semivolatile organic compounds, due to low surrogate recoveries on the initial runs. Results from the initial runs were tabulated, and the second runs used for confirmational purposes only.

4.0 Discussion

This section evaluates the analytical results for bulk sediment and elutriate testing by comparing individual sample results with initial screening levels and by utilizing the compliance averaging procedure for flagged chemical constituents. Constituents that were detected above screening levels in bulk sediment or elutriate samples, or those that had laboratory detection levels above screening levels, were further evaluated using compliance averaging, which involved obtaining arithmetic mean results for each berthing area and for a combination of the berthing areas. Mean data were compared to soil/sediment or water criteria as appropriate, and conclusions were drawn based on the comparisons.

4.1 Comparison with Initial Screening Levels

4.1.1 Bulk Sediment Samples

Bulk sediment sample data that were reported above the initial screening levels included 25 organic compounds and 10 metals, some of which were reported as undetected at the laboratory detection limits. Table 3 lists the sample locations along with the number of organic contaminants exceeding bulk sediment screening levels. Metals detected above the bulk sediment screening levels and the associated sample locations are depicted in Table 4. These tables do not include contaminants that were reported by the laboratory as undetected at concentrations exceeding the screening levels.

Twelve organic compounds were present in the sediment samples at concentrations which exceeded the bulk sediment screening levels. Semivolatile organic compounds and the maximum concentrations detected were as follows: n-nitroso-di-n-propylamine (1500 µg/kg, PAT-4-95-C-5.0); acenaphthylene (67J µg/kg, BST-2-95-C-0.0); acenaphthene (1700 µg/kg, PAT-4-95-C-5.0); 2,4-dinitrotoluene (1900 µg/kg, PAT-4-95-C-5.0); fluorene (150J µg/kg, BST-2-95-C-0.0); anthracene (220J µg/kg, BST-2-95-C-0.0); fluoranthene (1600 µg/kg, BST-2-95-C-0.0); pyrene (2300 µg/kg, PAT-4-95-C-5.0); benzo(a)anthracene (650 µg/kg, BST-2-95-C-0.0); chrysene (620 µg/kg, BST-2-95-C-0.0); and benzo(a)pyrene (620 µg/kg, BST-2-95-C-0.0). Additionally, aroclor-1254 was detected at levels exceeding the initial screening level of 29 µg/kg in ten samples, at various berthing locations.

Metals in sediments that were present above the bulk sediment screening levels included arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, thallium, and zinc. Some or all of these metals were found in 16 of the 35 samples, representing 15 of the 16 sampling locations. The Beckett Street Terminal samples contained no metals that exceeded initial screening levels and only one Sun Oil-Marcus Hook sample contained concentrations above the initial screening levels.

Table 3 Bulk Sediment Organic Contaminants above Initial Screening Levels

Station	Depth Interval (feet)	Number of E	zoodoneos
Station	miervai (ieet)	Semivolatiles	PCBs
BPO-1-95	0.0 - 6.2	0	1
BPO-2-95	0.0 - 4.1	0	1
BPO-2-95	4.1 - 8.3	0	1
BST-2-95	0.0 - 0.75	9	0
CRC-1-95	0.0 - 3.5	6	1
CRC-1-95	3.5 - 8.5	6	1
CRC-2-95	0.0 - 4.5	5	0
PAT-1-95	0.0 - 2.3	6	1
PAT-2-95	0.0 - 5.0	5	0
PAT-3-95	0.0 - 5.0	5 .	0
PAT-4-95	0.0 - 5.0	4	0
PAT-4-95	5.0 - 9.0	4	0 .
SFM-1-95	0.0 - 1.0	7	1
SFM-1-95	1.0 - 3.3	5	ı
SHI-1-95	0.0 - 4.6	0	1
SHI-1-95	6.7 - 9.16	1	0
SHI-2-95	0.0 - 5.1	3	1

Table 4 Bulk Sediment Inorganic Contaminants above Initial Screening Levels

	Depth	
Station	Interval (feet)	Metals
10100	0.00	
BPO-1-95	0.0 - 6.2	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Th, Zn
BPO-2-95	0.0 - 4.1	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Th, Zn
BPO-2-95	4.1 - 8.3	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Th, Zn
CRC-1-95	0.0 - 3.5	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Th, Zn
CRC-1-95	3.5 - 8.5	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Th, Zn
CRC-2-95	0.0 - 4.5	As, Cd, Cr, Cu, Hg, Ni, Ag
PAT-1-95	0.0 - 2.3	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn
PAT-2-95	0.0 - 5.0	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Th, Zn
PAT-3-95	0.0 - 5.0	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Th, Zn
PAT-4-95	0.0 - 5.0	Ag
SFM-1-95	0.0 - 1.0	As, Cd, Cr, Cu, Pb, Ag, Zn
SFM-1 - 95	1.0 - 3.3	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Th, Zn
SFM-1-95	3.3 - 6.4	As, Cr, Ni, Ag
SFM-1-95	6.4 - 9.84	Ag
SHI-1-95	0.0 - 4.6	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Th, Zn
SIII-2-95	0.0 - 5.1	As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn
SMH-1-95	0.0 - 1.4	Cr, Pb, Ni, Zn

4.1.2 Elutriate Samples

Elutriate testing indicated that metals were present at concentrations above the acute water quality criteria. The metals detected above these screening values and the associated sample locations are depicted in Table 5. The table does not include contaminants that were undetected at concentrations which exceeded the screening levels.

Results of the elutriate analyses indicated that all of the elutriate samples had concentrations of metals which exceeded the screening values. Total metals detected at levels above the initial screening levels included aluminum, cadmium, chromium, cobalt, copper, lead, mercury, silver, vanadium, and zinc. Dissolved metals included aluminum, cadmium, copper, lead, mercury, silver, and zinc. No organics or other inorganics were detected in the elutriate samples at concentrations above the screening levels.

Elutriate sample data that were reported as undetected at levels that exceeded initial screening levels included nine organic compounds, both total and dissolved phases.

4.1.3 Comparison with Initial Screening Levels by Berthing Areas

General summaries of pertinent testing results of individual samples compared with initial screening levels for each of the seven berthing locations are listed below, going from north to south.

At the BP Oil location, aroclor-1254 and metals were found at both BPO-1-95 and BPO-2-95 at concentrations above the bulk sediment screening levels. Some or all of the elutriates from this study area contained levels of total aluminum, cadmium, copper, lead, silver, and zinc at levels that exceeded elutriate screening values. All of the elutriates also contained dissolved copper and dissolved zinc above screening levels. Dissolved aluminum and dissolved lead were present at elevated levels in at least one of the samples.

At the Beckett Street Terminal study area, one of the two sediment samples from BST-2-95 contained detectable concentrations of semivolatile organics above bulk sediment screening levels; while no samples from the study area contained detectable concentrations of metals above screening levels. The four elutriate samples from the study area contained concentrations above elutriate screening levels for total aluminum and copper, while three contained concentrations of zinc and one contained lead and silver. Dissolved copper and zinc concentrations above screening levels were found in three out of four of these samples.

At the Conrail study area, organics and metals were present at concentrations above bulk sediment screening levels in samples taken at CRC-1-95 and in the top strata (thickness 4.5 feet) only at CRC-2-95. The greatest number of metals exceeding the elutriate screening levels at this study area in the elutriate samples were found in the top strata at CRC-2-95. Nine total and seven dissolved metals were detected in this sample, including

Table 5 Elutriate Contaminants above Acute Water Quality Criteria

	Depth		
Station	Interval (feet)	Total Metals	Dissolved Metals
BPO-1-95	0.0 - 6.2	Ag, Cd, Cu, Pb, Zn	Al, Cu, Zn
BPO-1-95	6.2 - 8.0	Al, Cu, Pb, Zn	Cu, Zn
BPO-2-95	0.0 - 4.1	Ag, Al, Cu, Pb, Zn	Cu, Zn
BPO-2-95	4.1 - 8.3	Al, Cu, Pb, Ag, Zn	Cu, Pb, Zn
BST-1-95	1.0 - 3.75	Al, Cu, Zn	Cu, Zn
BST-1-95	3.75 - 8.75	Al, Cu	
BST-2-95	0.0 - 0.75	Ag, Al, Cu, Pb, Žn	Cu, Zn
BST-2-95	0.75 - 9.85	Al, Cu, Zn	Cu, Zn
CRC-1-95	0.0 - 3.5	Ag, Cd, Cu, Pb	Cu, Žn
CRC-1-95	3.5 - 8.5	Ag, Cd, Al, Co, Cu, Pb, V, Zn	Al, Cu, Pb, Zn
CRC-2-95	0.0 - 4.5	Ag, Al, Cd, Co, Cu, Pb, Hg, V, Zn	Ag, Al, Cd, Cu, Pb, Hg, Zn
CRC-2-95	4.5 - 7.4	Al, Cd, Cu, Pb, Ag, Zn	Cu, Zn
CRC-2-95	7.4 - 10.0	Ag, Al, Cd, Co, Cu, Pb, Zn	Al, Cu
PAT-1-95	0.0 - 2.3	Al, Cd, Cu, Pb, Ag, Zn	Al, Cu, Zn
PAT-1-95	2.3 - 7.3	Al, Cu, Pb, Ag, Zn	Al, Cu
PAT-2-95	0.0 - 5.0	Al, Cd, Cu, Pb, Ag, Zn	Cu, Zn
PAT-2-95	6.8 - 7.6	Al, Cu, Pb, Ag, Zn	Al, Cu
PAT-3-95	0.0 - 5.0	Al, Cd, Cu, Pb, Ag, Zn	Al, Cu, Zn
PAT-3-95	6.25 - 8.50	Al, Cd, Co, Cu, Pb, Ag, Zn	Al, Cu, Zn
PAT-4-95	0.0 - 5.0	Al, Cd, Co, Cu, Pb, Ag, Zn	Al, Cu, Zn
PAT-4-95	5.0 - 9.0	Al, Cd, Co, Cu, Pb, Ag, Zn	Al, Cu, Zn
SFM-1-95	0.0 - 1.0	Al, Cd, Cr, Cu, Pb, Hg, Ag, V, Zn	Cu, Zn
SFM-1-95	1.0 - 3.3	Al, Cd, Cr, Co, Cu, Pb, Hg, Ag, V,	Cu, Zn
SFM-1-95	3.3 - 6.4	Zn Ag, Al, Cd, Co, Cu, Pb, V, Zn	Al, Cu, Pb, Zn
SFM-1-95	6.4 - 9.84	Ag, Al, Cd, Co, Cu, Pb, Zn	Cu, Zn
N I	0.0 - 5.0	Al, Cd, Co, Cu, Pb, Zn	Cu, Zii
SFM-2-95 SFM-2-95	5.0 - 10.15	Ag, Al, Cd, Co, Cu, Pb, Zn	Cu
ll i		Al, Cd, Cu, Pb, Ag, Zn	Cu, Zn
SHI-1-95	0.0 - 4.6		Al, Cu, Zn
SHI-1-95	6.7 - 9.16	Ag, Al, Cd, Co, Cu, Pb, Zn	
SHI-2-95	0.0 - 5.1	Al, Cd, Co, Cu, Pb, Ag, V, Zn	Al, Cu, Zn
SHI-2-95	5.1 - 7.8	Al, Cu, Zn	Cu
SMH-1-95	0.0 - 1.4	Al, Cu	Cu
SMH-1-95	1.4 - 2.6	Ag, Al, Cu, Zn	
SMH-2-95	0.0 - 1.7	Al, Cd, Cu, Pb, Ag, Zn	Al, Cu, Pb, Zn
SMI-1-2-95	0.0 - 2.5	Al, Cu, Zn	Cu

total and dissolved mercury. Metals detected in elutriate samples from other samples at this study area included total and dissolved aluminum, total cadmium, total cobalt, total and dissolved copper, total and dissolved lead, total silver, total vanadium, and total and dissolved zinc.

At the Packer Avenue Terminal study area, the top strata (thickness 1.7 to 6.8 feet) at the four sampling locations contained both organics and metals that exceeded the bulk sediment screening levels. The top and middle strata at location PAT-4-95 contained semivolatile organic compounds at concentrations reaching several parts per million, the highest concentrations detected during this study. The middle strata at the other locations and the bottom strata at all locations did not contain contaminant concentrations above screening levels. Levels of total metals including aluminum, copper, lead, silver, and zinc that exceeded screening levels were found in all of the elutriates, while concentrations of cadmium and cobalt were found in several. Dissolved aluminum, copper, and zinc were found in some of these samples at concentrations above the screening levels.

At the Sun Oil-Ft. Mifflin study area, samples taken at SFM-1-95 had concentrations of organics and metals that exceeded the bulk sediment screening levels. One of the elutriate samples from the upper strata of SFM-1-95 had ten total metals that exceeded screening levels, while both samples from the bottom layers had seven total metals above screening levels. The metals in the top layer included aluminum, cadmium, chromium, cobalt, copper, lead, mercury, silver, vanadium, and zinc. Dissolved copper and zinc were found in all layers at SFM-1-95, and dissolved aluminum and lead were found at an intermediate depth at concentrations exceeding the screening levels.

At the Sun Oil-Hog Island study area, sample results indicated that the upper layer of very soft organic silty clay contained levels of organics and metals that exceeded bulk sediment screening levels. Sediment samples taken from underlying layers were either not analyzed or did not contain contaminant concentrations above screening levels. The elutriate samples from the top layers contained total and dissolved aluminum, total cadmium, total cobalt, total and dissolved copper, total lead, total silver, total vanadium, and total and dissolved zinc at concentrations that exceeded or came close to the screening levels. At least one of the elutriates from underlying layers contained concentrations of total and dissolved aluminum, total cadmium, total cobalt, total and dissolved copper, total lead, total silver, and total and dissolved zinc above screening levels.

At the Sun Oil-Marcus Hook study area, one of the two bulk sediments from SMH-1-95 contained concentrations of metals above the bulk sediment screening levels. There were no other contaminants found in the sediments that exceeded screening levels at this location. The elutriate sample from the top layer from SMH-2-95 contained concentrations of total metals including aluminum, cadmium, copper, lead, silver, and zinc and dissolved metals including aluminum, copper, lead, and zinc that exceeded elutriate screening levels. The other elutriate samples from this study area had concentrations of

total aluminum, total and dissolved copper, total silver, and total zinc that exceeded the screening levels.

4.2 Comparison of Arithmetic Means with Criteria

Chemical constituents which were detected, or were reported as non-detected, at levels above the initial screening values were further evaluated by the "compliance averaging" procedure, as set forth by the Corps. Sample data for each berthing location and all berthing locations were considered for each constituent evaluated. Compliance averaging involved obtaining arithmetic mean concentrations for chemical constituents at individual berthing areas and at all berthing areas. Sample results were used in the calculations if constituents were detected. The laboratory reporting limit was utilized if a constituent was reported as non-detected in any of the samples. Appendix G contains data summaries for bulk sediment and elutriate sample analyses, specifically for constituents that were evaluated in the procedure for compliance averaging. The summaries include, for each berthing area and all berthing areas, the mean concentrations, the number of detections, and the detection range for constituents. Tables 6 and 7 contain the compliance averaging mean concentrations for bulk sediment and elutriate samples, respectively. compliance averaging results for bulk sediment samples were compared to NJDEP Soil Cleanup criteria; and the results for elutriate samples were compared to the acute water quality criteria.

4.2.1 Bulk Sediment Samples

Compliance averaging of the constituents detected at concentrations above the initial screening levels and subsequent comparison to the NJDEP Soil Cleanup criteria revealed that mean concentrations at individual berthing areas for 14 of the organic and eight of the inorganic constituents were below the most stringent values established by the NJDEP Soil Cleanup criteria.

Constituents that had mean values that exceeded the Residential Direct Contact NJDEP Soil Cleanup criteria (most stringent) but were below the Non-Residential Direct Contact values (next most stringent) included eight organic constituents and one inorganic constituent. Of these, six of the organic compounds were reported by the laboratory as non-detected in all samples. 2,4-Dinitrotoluene was detected at mean concentrations of 1,192 µg/kg and 1,084 µg/kg at Conrail and Packer Ave. Terminal, respectively. The arithmetic means were above the Residential Direct Contact standard of 1,000 µg/kg but below the Non-Residential Direct Contact standard of 4,000 µg/kg. Indeno(1,2,3-cd)pyrene was detected in two samples from the Conrail location at levels below the NJDEP Soil Cleanup criteria; however, the arithmetic mean of 950 µg/kg for the berthing area was above the Residential Direct Contact Soil Cleanup criteria value of 900 µg/kg.

Table 6 - Compliance Averaging Mean Concentrations of Organics and Inorganics for Bulk Sediment Analyses

	Residential	Non-Residential	Impact to	T	Т	 	T	<u> </u>	<u> </u>	T	T
	Direct Contact	Direct Contact	Groundwater								
	NJ Cleanup	NJ Cleanup	NJ Cleanup		ĺ			İ			
	Criteria	Criteria	Criteria	BPO	BST	CRC	PAT	SFM	SHI	HI/IS	ALL
Bis(2-chloroethyl)ether	660	3,000	10,000	[645]	[400]	[1,192]	[746]	[533]	[560]	[428]	[665]
N-Nitroso-di-n-propylamine	660	660	10,000	[645]	[400]	[1,192]	984	[533]	[560]	[428]	702
Hexachlorobutadiene	1,000	21,000	100,000	[645]	[400]	[1,192]	[746]	[533]	[560]	[428]	[665]
Acenaphthylene	NA NA	NA	NA	[645]	312	[1,192]	[746]	[533]	[560]	[428]	636
2,6-Dinitrotoluene	1,000	4,000	10,000	[645]	[400]	[1,192]	[746]	[533]	[560]	[428]	[665]
Acenaphthene	3,400,000	10,000,000	100,000	[645]	330	[1,192]	1,034	[533]	[560]	[428]	695
2,4-Dinitrotoluene	1,000	4,000	10,000	[645]	[400]	[1,192]	1,084	[533]	[560]	[428]	728
Fluorene	2,300,000	10,000,000	100,000	[645]	333	[1,192]	[746]	[533]	[560]	[428]	638
Hexachlorobenzene	660	2,000	100,000	[645]	[400]	[1,192]	[746]	[533]	[560]	[428]	[665]
Anthracene	10,000,000	10,000,000	100,000	[645]	350	948	584	383	415	[428]	522
Fluoranthene	2,300,000	10,000,000	100,000	245	695	640	526	535	350	312	486
Pyrene	1,700,000	10,000,000	100,000	263	537	630	880	520	360	313	548
3,3'-Dichlorobenzidine	2,000	6,000	100,000	[1,270]	[800]	[2,376]	[1,510]	[1,075]	[1,122]	[855]	[1,331]
Benzo(a)anthracene	900	4,000	500,000	172	458	396	386	467	299	[428]	373
Chrysene	9,000	40,000	500,000	210	450	474	389	513	320	[428]	406
Benzo(b)fluoranthene	900	4,000	50,000	195	398	426	396	463	302	[428]	382
Benzo(k)Huoranthene	900	4,000	500,000	192	408	192	320	435	305	[428]	454
Вепло(а)ругене	660	660	100,000	179	364	330	311	292	159	[428]	297
Indeno(1,2,3-cd)pyrene	900	4,000	500,000	[645]	352	950	431	480	[560]	[428]	543
Dibenz(a,h)anthracene	660	660	100,000	[645]	[400]	[1,192]	[746]	[533]	[560]	[428]	[646]
Aldrin	40	170	50,000	[28]	[12]	[29]	[27]	[18]	[22]	[14]	[22]
Dieldrin	42	180	50,000	[58]	[24]	[57]	[54]	[35]	[43]		[42]
Endrin	17,000	310,000	50,000	[58]	[24]	[57]	[54]	30	[43]	[27]	43
Toxaphene	100	200	50,000	[575]	[243]	[568]	[535]	[350]	[433]	å¥. turk	[423]
PCBs	490	2,000	50,000	116	[121]	237	230	202	164	[135]	165
Arsenic	20,000	20,000	NA	10,910	1,640	9,434	6,690	9,067	8,700	3,775	7,291
Cadmium	1,000	100,000	NA	1,188	85	3,214	1,678	997	1,510	168	1,351
Chromium	NA	NA	NA	55,975	16,175	73,560	48,250	54,817	59,350	22,250	36,669
Copper	600,000	600,000	NA	46,275	5,425	70,280	41,613	28,200	40,050	15,725	36,669
Lend	100,000	600,000	NA	57,100	4,350	88,020	49,700	39,117	53,600	10,200	41,954
Mercury	14,000	270,000	NA	318	[120]	420	265	287	358	[128]	275
Vickel	250,000	2,400,000	Ν̈́Α	29,650	4,855	26,260	20,138	18,983	20,975	14,425	19,598
Silver	110,000	4,100,000	NA NA	1,313	73	2,116	1,120	1,027	1,258	128	1,051
Thallium	2,000	2,000	NA NA	2,048	468	1,576	1,254	1,263	1,475	875	1,284
mailium i			* · · · · · }			-,	.,	.,	•,•••	0.0	1,204

Note:

All concentrations reported in parts per billion (ug/kg), dry weight.

NA - Not Available

Shaded values exceed the most stringent NJDEP Cleanup Criteria.

[] - Value is average of reporting limits.

Table 7 - Compliance Averaging Mean Concentrations of Organics and Inorganics for Elutriate Analyses

	Acute Water Quality				T				T T
	Criteria	BPO	BST	CRC	PAT	SFM	SHI	SVIII	ALL
Hexachlorocyclopentadiene, total	5	[10]	[10]	[10]	[10]	[10]	Ţ10 j	[10]	[10]
Hexachlorocyclopentadiene, dissolved	5	[10]	[10]	[10]	[10]	[10]	[10]	[10]	[10]
2,4,6-Trichlorophenol, total	5	[10]	[10]	[10]	[10]	[10]	[10]	[10]	[10]
2,4,6-Trichlorophenol. dissolved	5	្រែឲ្យ	[10]	[10]	[10]	[10]	[10]	[10]	[10]
Phenanthrene, total	5	[10]	[10]	[10]	[10]	[10]	[10]	[10]	[10]
Phenonthrene, dissolved	5	[10]	[10]	[10]	[10]	[10]	[10]	[10]	[10]
Benzo(a)anthracene, total	0.5	[i]	i) 🧎	(1)	្រំព្រ	[1]	[1]	2 (1)	[1]
Benzo(a)anthracene, dissolved	0.5	[1]	in in	[1]	(1)	[1]	(i)	<u>լո</u>	li)
1,2-Diphenyl-n-hydrazine, total	15	[100]	[100]	[100]	[100]	[100]	[100]	[100]	[100]
1,2-Diphenyl-n-hydrazine, dissolved	15	[100]	[100]	[100]	[100]	[100]	[100]	[100]	[100]
Toxaphene, total	0.37	ប្រ	[1]	i in	li (u)	[1]	[1]	[1]	[1]
Toxaphene, dissolved	0.37	ij.	E (1)	(1)	1 10 3	மு	[1]	[1]	[1]
Chloropyrifos, total	0.083		(1)	[1]		[i]	į į į	[1] ·	[1]
Chloropyrifos, dissolved	0.083	[1]	jıj 🐫	[1]	1 [1]	[1]	[i]	l w	l jij
Parathion, total	0.065	[1]	(i)	<u> </u>	(i)	nj 📑	լլյ	ي انا ا	[1]
Parathion, dissolved	0.065	n j	மு	[1]	[1]	[1]	[1]	្ត្រី (រ) 🐉	[1]
Formeldehyde, total	2180	[5,000]	[5,000]	[5,000]	[5,000]	[5,000]	[5,000]	[5,000]	[5,000]
Formeldehyde, dissolved	2180	[5,000]	[5,000]	[5,000]	[5,000]	[5,000]	[5,000]	[5,000]	[5,000]
Aluminum, total	750	57,875	26,710	101,060	93,125	192,500	119,250	31,441	95,612
Muminum, dissolved	750	1,053	159	2,475	7,296	7,415	2,707	769	3,828
Cadmium, total	1.79	3.28	0.57	8.86	6.15	9.27	6.38	5.40	6.05
Cadmium, dissolved	1.79	0.34	0.58	0.88	0.39	0.42	[0.3]	[0.3]	0.46
Chromium III, total	984	278	64	423	306	813	505	125	381
Cobalt, total	95	51	22	84	71	121	85	26	70
Copper, total	9.22	243.0	60.2	340.1	197.5	375.0	279.7	165.6	243.6
Copper, dissolved	9.22	97.3	185.6	58.2	53.2	89.2	108.8	36.0	84.6
Lead, total	33.8	261.7	32.0	369.2	224.7	464.0	339.7	196.6	278.5
Lead, dissolved	33.8	14.4	5.9	34.1	14.9	22.5	13.9	10.3	17.2
Mercury, total	2.4	0.8	0.2	1.2	0.6	1.7	1.0	0.7	0.9
Mercury, dissolved	2.4	0.7	0.4	1.8	0.4	0.2	[0.2]	0.3	0.6
Silver, total	0.92	4.3	1.0	43.8	6.0	10.5	8.4	7.4	11.8
Silver, dissolved	0.92	[0.6]	[0.6]	7.9	0.6	[0.6]	[0.6]	[0.6]	1.7
Vanadium, total	515	201	80	372	215	527	354	77	274
Zine, total	65	842	233	1,624	1,188	1,409	1,161	660	1,076
Line, dissolved	65	118	104	233	142	159	130	49	139

Notes:

All concentrations reported in parts per billion (ug/L). Shaded values exceed Acute Water Quality Criteria.

[] - Value is average of reporting limits.

Mean concentrations of cadmium in four individual berthing areas were above the Residential Direct Contact Cleanup standard of 1,000 µg/kg, but below the Non-Residential standard of 100,000 µg/kg. The highest mean concentration of cadmium, 3,214 µg/kg, was found at the Conrail facility.

The means representing individual berthing locations for three organic compounds were above the NJDEP Residential and Non-Residential Direct Contact criteria, but below the Impact to Groundwater criteria. N-nitroso-di-n-propylamine was detected in two individual samples and was present at a mean concentration of 984 µg/kg at the Packer Ave. Terminal, which exceeded the criteria value of 660 µg/kg. N-nitroso-di-n-propylamine was reported as non-detected at the Conrail facility at mean levels exceeding the criteria value; while dibenz(a,h)anthracene was reported as non-detected at the Packer Ave. Terminal and the Conrail facility at mean levels exceeding the criteria value of 660 µg/kg. Toxaphene, reported as non-detected in all samples, had mean concentrations above the Residential criteria value of 100 µg/kg and the Non-Residential value of 200 µg/kg at all locations.

The average thallium result at the BP Oil location exceeded the Residential and Non-Residential values, which were both 2,000 µg/kg. There is no Impact to Groundwater criteria value for thallium. Average thallium results for all other individual berthing areas, and for all berthing areas, were below the Residential and Non-Residential value.

The arithmetic means calculated for all berthing locations for a total of five organic compounds and one metal exceeded the most stringent NJDEP criteria. Exceedences for these constituents, specifically bis(2-chloroethyl)ether, hexachlorobenzene, dieldrin, and toxaphene resulted from the laboratory's reporting limit, which was not as low as criteria values, since the compounds were not detected in any samples. N-nitroso-din-propylamine and cadmium mean calculations included concentrations which were well below the Impact to Groundwater and the Non-Residential Direct Contact criteria values, respectively.

4.2.2 Elutriate Samples

Organic compounds were not present at average concentrations above the criteria except those compounds that had laboratory reporting limits above the criteria. The averages for organic compounds at each of the berthing areas and all of the berthing areas that exceeded the criteria were the averages of the laboratory reporting limits.

Inorganic constituents that had arithmetic means above criteria values for each individual berthing area and all berthing areas included total aluminum, total and dissolved copper, total silver, and total zinc. The means for dissolved aluminum, total cadmium, and total lead exceeded criteria values at each individual location, except for Beckett Street Terminal, and the mean for each of these constituents for all locations exceeded criteria.

The means for dissolved zinc were above the criteria value of 65 µg/L for each berthing area except the Sun Oil - Marcus Hook location, and for the entire study area.

Compliance averaging showed that a number of analytes detected in elutriate samples above criteria values were found only in specific samples or locations, rather than the entire study area. When averaged, dissolved cadmium, total chromium, and total and dissolved mercury were not detected at levels above their respective criteria values in each of the individual berthing areas. The mean total cobalt result of 121 µg/L was above the criteria value of 95 µg/L in only one berthing area, Sun Oil - Ft. Mifflin; and the mean for all berthing areas was 70 µg/L, which was below the criteria value. The mean dissolved lead result of 34.1 µg/L for the Conrail study area exceeded the criteria value of 33.8 µg/L, while the means for the other berthing areas and the mean for all berthing areas were lower than the criteria value. Dissolved silver was detected in one sample at the Conrail study area at 37.2 µg/L, which exceeded the criteria value of 0.92 µg/L. It was detected only at very low levels at the other locations, but the average value for all berthing areas was above the criteria value due to this isolated sample result. The average of total vanadium was 527 ug/L for one berthing area, Sun Oil - Ft. Mifflin, which was above the criteria value of 515 µg/L. Means for all other areas and the mean for all berthing areas were below the criteria.

4.2.3 Comparisons with Criteria by Berthing Areas

General summaries of compliance averaging results compared with NJDEP Soil Cleanup criteria and acute water quality criteria, as appropriate, are listed for each of the seven berthing locations.

At the BP Oil location, both dieldrin and toxaphene had bulk sediment mean results above the NJDEP Residential Direct Contact criteria, which were the most stringent values for comparison. The average for dieldrin was below the Non-Residential Direct Contact criteria; while the average for toxaphene was well below the Impact to Groundwater standard. The organic compounds were not detected in any of the individual samples, but were reported by the laboratory at concentrations that exceeded the criteria. Mean cadmium was above the NJDEP Residential Direct Contact criteria, and below the Non-Residential Direct Contact criteria. The mean result for thallium in bulk sediment samples was above Residential and Non-Residential Direct Contact criteria, and no criteria value for Impact to Groundwater was available. Compliance averaging results of the elutriate results for the berthing area indicated that organic compounds reported at concentrations above initial screening levels in individual samples had mean results that exceeded the applicable criteria. Averages of the metals data in elutriates exceeded the criteria for total metals including aluminum, cadmium, copper, lead, silver, and zinc; and dissolved metals including aluminum, copper, and zinc. Of the inorganic constituents detected in individual samples above the initial screening levels, only dissolved lead was not found at an average concentration in the berthing area above the criteria.

At the Beckett Street Terminal study area, compliance averaging results indicated that means for detected constituents in bulk sediment samples were below the most stringent NJDEP criteria except for one constituent, toxaphene. Toxaphene was not detected in any individual samples, but the mean obtained from compliance averaging was above NJDEP Residential and Non-Residential Direct Contact criteria. Averaging of elutriate data showed that, of the metals that were detected at concentrations above the initial screening levels, only means for total lead were below the acute water quality criteria. Metals that had mean concentrations above the criteria included total aluminum, total and dissolved copper, total silver, and total and dissolved zinc.

At the Conrail study area, mean results for 11 organic and one inorganic constituents tested for in the bulk sediment samples exceeded NJDEP Residential Direct Contact criteria. Mean results for three of the organics, n-nitroso-di-n-propylamine, dibenz(a,h)anthracene, and toxaphene, were also above the Non-Residential Direct Contact criteria. The three compounds reported at concentrations above the Non-Residential values were not detected in any individual samples. Only mean toxaphene results exceeded the Impact to Groundwater criteria. Mean elutriate sample results had metals present above the applicable criteria. Total metals included aluminum, cadmium, copper, lead, silver, and zinc; while dissolved phases of the same metals except for cadmium also exceeded criteria values. Metals detected above initial screening levels in individual samples from the berthing area that did not have means above the criteria included total cobalt, total and dissolved mercury, and total vanadium.

At the Packer Avenue Terminal study area, compliance averaging results for bulk sediment samples indicated that seven organic compounds and cadmium were present at mean levels that exceeded the Residential Direct Contact criteria. Two of the organics also were detected at mean concentrations that exceeded the Non-Residential Direct Contact criteria but were below the Impact to Groundwater values, including n-nitroso-din-propylamine and dibenz(a,h)anthracene. A third compound, toxaphene, was reported at a mean concentration above the Impact to Groundwater criteria. Of these three compounds, only n-nitroso-di-n-propylamine was detected in any of the samples at the berthing area. Mean metals data that were above the acute water quality criteria included total aluminum, cadmium, copper, lead, silver, and zinc; and dissolved aluminum, copper, and zinc. Total cobalt was the only metal that was detected at concentrations above the initial screening levels in individual samples with a mean result below the criteria.

At the Sun Oil-Ft. Mifflin study area, compliance averaging of results for bulk sediments indicated that toxaphene was the only constituent that was present at a mean concentration above the applicable criteria. As with other areas, toxaphene was not detected in any of the individual samples. Averaging of elutriate results showed that several inorganic constituents were detected at mean concentrations above the criteria. These included total and dissolved aluminum, total cadmium, total cobalt, total and dissolved copper, total lead, total silver, and total and dissolved zinc. Metals detected above the initial screening

levels in one or more samples that were not present at mean concentrations above the acute water quality criteria included total chromium, dissolved lead, and total mercury.

At the Sun Oil-Hog Island study area, bulk sediments contained mean concentrations of toxaphene and dieldrin that exceeded the Residential Direct Contact criteria (most stringent value); however, the compounds were undetected in all of the individual samples. The mean for dieldrin was below the Non-Residential Direct Contact criteria; and the mean for toxaphene was below the Impact to Groundwater criteria. The mean cadmium concentration in bulk sediment samples was above the Residential Direct Contact criteria, and below the Non-Residential Direct Contact criteria. Compliance averaging of elutriate results indicated that mean data for organic and inorganic constituents were above the acute water quality criteria. Organic compounds were not detected in any of the individual samples, but were reported as undetected at concentrations that exceeded the initial screening levels. Inorganic constituents were detected in samples, and mean concentrations of the following metals were above the criteria: total and dissolved aluminum, total cadmium, total and dissolved copper, total lead, total silver, and total and dissolved zinc.

At the Sun Oil-Marcus Hook study area, results of compliance averaging for bulk sediment data indicated that only toxaphene was reported at a mean concentration that exceeded the applicable criteria. Toxaphene was not detected in any of the samples. Mean elutriate results for total metals that exceeded the acute water quality criteria data included aluminum, cadmium, copper, lead, silver, and zinc; while mean results that exceeded criteria for dissolved metals included aluminum, copper, silver, and zinc. Of the metals detected in individual samples above initial screening levels, only dissolved lead and zinc were not present at mean levels that exceeded the criteria for elutriate samples.

5.0 Conclusions

The chemical results of the bulk sediments and elutriate tests were evaluated against relevant regulatory criteria. The evaluation consisted of two steps. First, individual chemical concentrations were compared to the most stringent NJDEP Soil Cleanup criteria and literature values derived from ecological and human health risk studies (bulk sediments) and acute water quality criteria (elutriates). Exceedences were noted for further evaluation during the second step, i.e., using the Corps compliance averaging procedures. The compliance averaging consists of calculating the means of chemical concentrations for both individual berthing areas and all berthing areas. Only the NJDEP Soil Cleanup criteria were used for comparison of the mean bulk sediment results; while the mean elutriate results were compared with the same set of standards noted in the first step.

Some of the chemicals had laboratory detection limits higher than the screening values that were used in the first step evaluation. The reported detection limits were included in the compliance averaging in order to further compare the averages to applicable criteria. Mean bulk sediment results were compared to NJDEP Soil Cleanup criteria only, which consist of less stringent values than those established by ecologically-based studies. The NJDEP Soil Cleanup criteria include Residential Direct Contact, Non-Residential Direct Contact, and Impact to Groundwater criteria.

When averaged for individual berthing areas, the concentrations of several chemicals present in bulk sediment samples were above the most stringent values specified by the NJDEP Residential Direct Contact criteria. The mean concentrations of most of these chemicals, when compared to Non-Residential Direct Contact values, were below the criteria. Chemicals that had mean concentrations that exceeded the Non-Residential criteria included three organic and one inorganic constituents. The organic compounds were below the Impact to Groundwater criteria. An Impact to Groundwater value for the inorganic constituent, thallium, was not available.

Mean concentrations of nine organic compounds in the elutriate tests exceeded the acute water quality criteria. None of the compounds were reported by the laboratory as detected; however, the criteria values were below the laboratory detection limits. The mean concentrations of a number of metals exceeded the acute water quality criteria. The concentrations of four total metals and one dissolved metal, when averaged for each of the seven respective berthing areas and over all berthing areas, exceeded the criteria. The metals included total aluminum, total and dissolved copper, total silver, and total zinc. Other metals that were above the criteria, when averaged over all berthing areas, included dissolved aluminum, total cadmium, total lead, dissolved silver, and dissolved zinc. Additional analytes present at mean concentrations that exceeded the criteria were found only in specific berthing areas, rather than in the entire study area. The metals included total cobalt and total vanadium, which were present at mean concentrations above criteria

values at the Sun Oil-Ft. Mifflin area; and dissolved lead, which was present at a mean concentration above its criteria value at the Conrail study area.

Results of the compliance averaging data analysis indicate that the bulk sediments generally do not contain concentrations of chemical constituents that pose a threat to human health, either through direct contact or impact to groundwater. Although the Residential and Non-Residential Direct Contact standards, which were the most stringent criteria, were exceeded for a number of constituents, these are not believed to be applicable standards because disposal of the material would be at a dredged disposal site where direct contact would be minimal. Compliance averaging results of all bulk sediment constituents are below the Impact to Groundwater criteria; therefore, the human health risk via groundwater exposure should be minimal.

The elutriates contained average concentrations of chemicals that were above criteria values, which were designed to indicate potential degradation of surface water quality during dredging and groundwater after disposal. The compliance averaging procedure did not provide meaningful comparison for organic compounds in the elutriate tests because some compounds, even though undetected, had laboratory detection limits slightly higher than the applicable criteria. It is therefore unlikely that these organics would be present in the elutriates at levels comparable to the criteria.

Metals may pose a problem during dredging and disposal based on the compliance averaging results for elutriate samples. The concentrations of some metals in the elutriate samples exceeded criteria when averaged for both individual berthing areas and all berthing areas. This indicates that there is potential impact on water quality during dredging. In contrast, the concentration of other metals in the elutriate samples exceeded criteria only when averaged for specific berthing areas. The potential problem associated with these metals may be only surface water quality during dredging operations. Because dredged materials from all berthing areas may be combined and disposed of at the same disposal location, impact of these metals to groundwater may not be significant.



BLACK & VEATCH Waste Science, Inc.

BORING LOG LEGEND

<u>G</u>	RAPHIC LOG	TERMINOL	OGY					<i>,</i>		
	_,,,		GRAVEL COBBLE		1/4 inch to 3 inches 3 inches to 12 inches					
		BOULDER		>12	inches					
	•	60°			le of perpendi	cular to a	ixis of core			
	· CLAY	TRACE			% by volume 25% by volume					
		SOME MODIFIER			% by volume					
	CHA. CLAV	MODIFIEN		Len	gth of sample	recovere	d, in feet			
	Silly CLAY, Clayey SILT	•			•	•				
	clayey Sie:	Bedding Term	ninology							
		LAMINATED			Inch					
	SILT	THIN BEDDE		0.1 inch to 1.2 inches						
		MEDIUM BEDI	DED	1.2 to 12 inches Denotes bedding >12 inches or no discernable						
		MASSIVE			rnal bedding	>12 inche	S OF THE CISCETHERIE	•		
[1][][]	Sandy SILT,	•		inte	mai becoming			·		
	Silty SAND	Weathering T	érminnlnav		•					
		FRESH	er minioro d v	The	rock shows n	o discolor	alion, loss of stren	glh, or any other .		
	Sandy CLAY,	SLIGHTLY WEATHERED		effect due to weathering (unweathered rock). Rock is slightly discolored with a slightly lower strength than						
	Clayey SAND									
	•			unweathered rock. Rock is considerably discolored with a significantly lower strength						
	SAND	MODERATELY	' WEATHERED	Roc	k is considera	bly discol	orea with a signific	antly lower strength		
				tha	n unweathered	l rock.	vened en intenselv	that 2-inch diameter		
:00:0		HIGHLY WEAT	THERED	KOC	k cores can b	and wed	readily by hand. W	et strength is usually		
0.000	Sandy GRAVEL,			rock cores can be broken readily by hand. Wet strength is usually much lower than dry strength.						
000	Gravelly SAND						,			
6509			Sur of bloss	In de	ivo a standaro	t solit bar	rel the 2nd and 3rd			
, % 3	GRAVEL	N VALUE Sum of blows to drive a standard split barrel the 2 nd and 3 rd six inches using a 140 pound hammer falling 30 inches. Blows for all						or all		
ું જુવ		six inch intervals shown, if available. Refusal recorded as blows in								
			excess of 50	/inche	es less than 6.			,		
	SAPROLITE						•			
PARA T	-				SOIL	CONSIS	TENCY			
	PEAT						•	1 AD		
FFA			CO	HESI	IVE		GRANU	LAK		
V-65			DESCRIPTION	∩N	SPT N VALU	F	DESCRIPTION	SPT N VALUE		
0.04	CONCRETE		DESCRIPTION	VIII.	OLI ILI ALE	- -	2,2,2,111111111			
200	· ·	•	Soft		0-4		Very Loose	0-4		
N			_		4-8		Loose	4-10		
	SAMPLE TYPE		Firm					10-30		
l			Stiff		8-16		Medium Dense			
	SPT (Split Barrel)	. :•	Very Stiff		16-32		Dense	30-50		
	•		Harđ		>32		Very Dense	>50		
	TW (Thin Walled Tube)		•							
	IN (IIIII NOISEO TODE)									
	•									
	PI (Piston)									
	P (Pitcher)				1					
						Corp	s - Phila. (District		
] [01 (0-211-1									
M	CA (California)					Vibracore Sampling				
עוי						VIDE	acore 2011	טיווע		
∇	GB (Grab or Bag sampl	e)								
M	•							:		
		•								

Hole No.BP0-1-95 DIVISION INSTALLATION DRILLING LOG NAD PHILADELPHIA DISTRICT 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling 2. LOCATION (Coordinates or Station) 655975.70 E, 660083.74 N II. DATUM FOR ELEVATION SHOWN (TBM or MSL. Corps MLW (tied to C&GS marker H 10) 12. MANUFACTURER'S DESIGNATION OF DRILL 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore Alpine Ocean Seismic Survey, Inc. 3. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 4. HOLE NO. (As shown on drawing title undisturbed: 0 disturbed: 3 and file number) BPO-1-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER 15. WATER DEPTH 47.0 ft. Chris Moore 8. DIRECTION OF HOLE 18. DATE HOLE STARTED COMPLETED 5/2/95 5/2/95 VERTICAL INCLINED 17. ELEVATION TOP OF HOLE -41.9 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 7.4 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR S.M. COOK, BLACK & VEATCH SMC 9. TOTAL DEPTH OF HOLE 7.4 Ft. CORE ELEV. DEPTH NUMBER NUMBER 2 CLASSIFICATION OF MATERIALS REMARKS (Description) REC (if significant) ¥ -41.9 Petroleumlike odor Headspace = 400 ppm BPO-1-95-C-0 Organic Clayey Silt: dark green-gray; very loose; nonplastic; wet; sticky; w/trace undecomposed organic matter: puddinglike grading to spongy consistency below top several feet; trace fine sand. BPO-1-95-G-O collected from 2 to 3 feet. Pocket Penetrometer (PP) < 0.25 tsf <u>-48.1</u> Sand; gray; very dense; well graded; w/some well-rounded, -15% silt by settling volume 3.5 inch diameter cobble inside 3.5 spherical gravel, some silt. inch liner BPO-1-95-C,G-6.2 Headspace = 26 ppm -49.3 Total recovery was estimated End of Boring at 7.4 feet. using the strata break to correlate the three attempts. The third attempt sample Thrèe sample attempts were made: First attempt had 2.0' recovery; second attempt had 4.33' recovery; Alpine jetted to past four feet on correlated higher than expected, reducing the total depth of penetration to 7.4 the third attempt, then recovered 4.4 feet. feet. Northing & Easting in Delaware State Plane (NAD '83) Coordinates Coord.s listed are for third run. ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE. HOLE NUMBER

Berthing Area Vibracore Sampling

BPO-1-95

Hole No.BP0-2-95 INSTALLATION DRILLING LOG NAD PHILADELPHIA DISTRICT 10. SIZE AND TYPE OF BIT 3.5" 1D/4.5" OD cutterhead II. DATUM FOR ELEVATION SHOWN (TBM or MSL) Berthing Area Vibracore Sampling 2. LOCATION (Coordinates or Station) Corps MLW (Tied to CG&S marker H 10) 658677.90 E, 659705.09 N 2. MANUFACTURER'S DESIGNATION OF DRILL 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore Alpine Ocean Seismic Survey, Inc. 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 4. HOLE NO. (As shown on drawing title undisturbed: 0 disturbed: 1 and file number) BPO-2-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER Chris Moore 15. WATER DEPTH 45.0 ft. 6. DIRECTION OF HOLE 18. DATE HOLE STARTED COMPLETED 5/2/95 5/2/95 VERTICAL INCLINED 17. ELEVATION TOP OF HOLE -40.8 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 8.3 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR 9. TOTAL DEPTH OF HOLE 10 Ft. S.M. Cook, BLACK & VEATCH NUMBER NUMBER ELEV. DEPTH 呈 CLASSIFICATION OF MATERIALS CORE REMARKS (Description) REC (if significant) . × -40.8 Top ~4 inches liquid as open the core. organic odor Headspace = 250 ppm BPO-2-95-C-0 Organic Clayey Silt: dark Pocket Penetrometer (PP) <0.25 tsf organic clayey snc dark green-gray; very loose; nonplastic; wet; sticky; w/trace undecomposed organic matter; trace very fine to fine sand; Puddinglike grading to spongy consistency below top several feet; trace mica. BPO-2-95-G-O collected from 2 to 4.1 feet. BPO-2-95-C-4.1 Headspace = 200 ppm As above, slightly more firm. BPO-2-95-G-4.1 collected from 7 to 8.3 feet Pocket Penetrometer (PP) <0.25 tsf One sample attempt was made, recovering 8.3 feet. <u>-49.1</u> 8.3 Northing and Easting in Delaware State Plane (NAD '83) Coordinates End of Boring at 10 feet. ENG FORM 1938 PREVIOUS EDITIONS ARE OBSOLETE. PROJECT HOLE NUMBER

Berthing Area Vibracore Samplina

BPO-2-95

<u>Hole</u> No.BST-1-95 DIVISION INSTALLATION DRILLING LOG NAD PHILADELPHIA DISTRICT 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling 2. LOCATION (Coordinates or Station) 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) Corps MLW (tied to C&GS marker Tidal 23) 735833.40 E, 704307.23 N 12. MANUFACTURER'S DESIGNATION OF DRILL 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN Alpine Ocean Seismic Survey, Inc. 4. HOLE NO. (As shown on drawing title disturbed: 2 undisturbed: 0 and file number) BST-1-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER 15. WATER DEPTH 39.1 ft. Chris Moore 8. DIRECTION OF HOLE 18. DATE HOLE STARTED COMPLETED 4/30/95 4/30/95 VERTICAL INCLINED 17. ELEVATION TOP OF HOLE -38.2 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 6.67 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR 9. TOTAL DEPTH OF HOLE 8.7 Ft. S.M. Cook, BLACK & VEATCH EEE S ELEV. DEPTH 呈 CLASSIFICATION OF MATERIALS CORE REMARKS REC (Description) (if significant) × -38.2 0 Sand: dark gray-green; fine to medium grained; poorly graded; BST-1-95-C.G-0 hydrocarbonlike odor; wet; Hydrocarbonlike odor clean; trace mica. Base 2" is Organic Sandy <u>Clay</u>: -39.0 black; wet; low plasticity; medium -39.2 1.0 grained sand; trace gravel; BST-1-95-C,G-1 trace mica. Headspace = 52 ppm Sand: brown-gray; mostly Occasional spots of dark green and medium grained; gap-graded; w/some rounded gravel; trace yellow-brown silty sand <1/2" thick, not continuous across sample. coarse sand; trace silt. -40.4 4 inches of liquified Sandy Silt/Clay; red. 2.6 -40.8 Sand; brown; medium grained; well graded; w/some gravel; some fines. Base coarsens to Gravel w/binder of clay, silt, and sand. Maximum particle axis of 3-1/4" on one flat rounded cobble. -42.0 3.7 Clay: red-brownish w/some BST-1-95-C,G-3.75 white and yellow-brown; medium stiff; moist; highly plastic; Headspace = 10 ppm Indented over 1/4" by thumb w/moderate pressure. Molded by w/trace fine to medium sand. rorvane taken on a vertical surface. Two sample attempts. Vibracore penetrometer cable severed on first attempt, fixed and then broken on second attempt. Northing & Easting in Delaware State Plane (NAD '83) Coordinates. <u>-46.5</u> 8.3 End of Boring at 8.67 feet. Penetration measured by sediments on outside of drive pipe. Coord.s listed are for the 2nd run ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE.

PROJECT

Berthing Area Vibracore Sampling

HOLE NUMBER BST-1-95

Berthing 4rea Vibracore Sampling

BST-2-95

Hole No.BST-2 DRILLING LOG (Cont. Sheet) -41.4 Ft. INSTALLATION PHILADELPHIA DISTRICT Berthing Area Vibracore Sampling EGEND CLASSIFICATION OF MATERIALS (Description) CORE REC % ELEV. DEPTH REMARKS (if significant) -50.4 9.0 One sample attempt made. 9.85 feet recovery End of Boring at 10 feet. Northing & Easting in Delaware State Plane (NAD '83) Coordinates ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE. PROJECT HOLE NUMBER BST-2-95

Berthing Area Vibracore Sampling

Hole No.CRC-1-95 INSTALLATION DIVISION DRILLING LOG PHILADELPHIA DISTRICT NAD 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling 2. LOCATION (Coordinates or Station) 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) Corps MLW (tied to C&GS marker Tidal 23) 734117.51 E, 690592.85 N 12. MANUFACTURER'S DESIGNATION OF DRILL 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN Alpine Ocean Seismic Survey, Inc. 4. HOLE NO. (As shown on drawing title and file number) disturbed: 1 undisturbed: 0 CRC-1-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER Chris Moore 15. WATER DEPTH 42 ft. STARTED COMPLETED 18. DATE HOLE 8. DIRECTION OF HOLE 5/1/95 5/1/95 VERTICAL INCLINED 17. ELEVATION TOP OF HOLE -36.8 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 8.5 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR SM (9. TOTAL DEPTH OF HOLE 10 Ft. S.M. Cook, BLACK & VEATCH EGENO CLASSIFICATION OF MATERIALS CORE X88 ELEV. DEPTH (Description) REC % (if significant) -36.6 O. Pocket Penetrometer (PP) < 0.25 tsf OVA background = 7.6 ppm Hydrocarbonlike odor Headspace = >1000 ppm CRC-1-95-C,G-0 Organic Silty <u>Clay</u>; brown; very soft; low to nonplastic; wet to Puddinglike consistency very moist; sticky; w/some roots, leaves, and undecomposed organic matter; trace fine sand. Grades firmer with depth. CRC-1-95-C,G-3.5 PP < 0.25 tsf Northing & Easting in Delaware State Plane (NAD '83) Coordinates -45.1 8.5 End of Boring at 10 feet

Berthing Area Vibracore Sampling

HOLE NUMBER

CRC-1-95

ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE.

Hole No.CRC-2-95 NOISIVIO INSTALLATION DRILLING LOG NAD PHILADELPHIA DISTRICT PROJECT 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling IL DATUM FOR ELEVATION SHOWN (TBM OF MSL) 2. LOCATION (Coordinates or Station) Corps MLW (tied to CSGS marker Tidal 23)
12. MANUFACTURER'S DESIGNATION OF DAILL 733678.31 E, 690678.55 N 3. DRILLING AGENCY 271 B Alpine Pnuematic Vibracore Alpine Ocean Seismic Survey, Inc. 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 4. HOLE NO. (As shown on drawing title disturbed: 2 undisturbed: 0 and file number) CRC-2-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER Chris Moore 15. WATER DEPTH 46.5 8. DIRECTION OF HOLE 18. DATE HOLE STARTED COMPLETED 5/1/95 5/1/95 VERTICAL INCLINED 17. ELEVATION TOP OF HOLE -40.3 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 9.5 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR SMCock 9. TOTAL DEPTH OF HOLE 9.5 Ft. S.M. Cook, BLACK & VEATCH CORE REC ELEV. DEPTH EGENO CLASSIFICATION OF MATERIALS (Description) (if significant) -40.3 0 Soupy Silt on top Top ~0.5 foot liquid (Torvane = 0, Pocket Penetrometer = 0) OVA background = 7.6 ppm Hydrocarbonlike odor Organic Silty Clay: brown; low to Breathing Zone = 10 ppm OVA average on sample 30-100 ppm, peak at 710 ppm in void pocket at nonplastic; wet to very moist; sticky; trace rounded coarse sand; trace roots and 2.5 feet. undecomposed organic material (leaf at 1.4 feet); trace mica; CRC-2-95-C-0 trace fine sand. Headspace = 800 ppm Top has puddinglike consistency: Torvane = 1.3 kg/cm^2 PP = 0.3 tsfCRC-2-95-G-O taken from 4-4.5 feet -44.8 4.5 Sand: gray; medium grained; subangular; very poorly graded; mostly quartz; ~15% dark CRC-2-95-C;G-4.5 OVA 10-50 ppm Silt/Clay lumps have stonger odor minerals; trace silt/clay lumps; trace roots. 46.8 Ш -47.0 6.7 Silt lens 2 inches thick. Two others below, <1/2 inch thick -47.7 7.4 Silty Clay: dark brown; moist; as base of Organic Silty CLAY CRC-2-95-C-7.4 No geotech sample taken due to layer abově. small volume spongy feel -48.6 Sand -48.9 8.6 Silty Clay -49.2

ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE.

PROJECT

Berthing Area Vibracore Sampling

(continued)

HOLE NUMBER CRC-2-95

Hole No.CRC-2 DRILLING LOG (Cont. Sheet) -40.3 Ft. INSTALLATION Berthing Area Vibracore Sampling PHILADELPHIA DISTRICT CLASSIFICATION OF MATERIALS (Description) CORE REC % ELEV. DEPTH REMARKS (if significant) -4<u>9.3</u> 9.0 -49.5 9.2 Sand Silty Clay -49.8 9.5 End of Boring at 9.5 feet Two attempts made to recover sufficient sample volume. On initial attempt vibrator head not working at start. Sediment cores correctated from attempts by using strata breaks. Northing & Easting in Delaware State Plane (NAD '83) Coordinates - 11 Coordinates and elevations listed are for the 1st run. -20 ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE. HOLE NUMBER CRC-2-95 PROJECT

Berthing Area Vibracore Sampling

Hole No.PAT-1-95 INSTALLATION DRILLING LOG NAD PHILADELPHIA DISTRICT 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling IL DATUM FOR ELEVATION SHOWN (TBM or MSL) 2. LOCATION (Coordinates or Station) Corps MLW (correlated to C&GS marker Tidal 23) 735571.44 E, 693100.79 N 12. MANUFACTURER'S DESIGNATION OF DRILL 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore Alpine Ocean Seismic Survey, Inc. 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 4. HOLE NO. (As shown on drawing title disturbed: 1 undisturbed: 0 and file number) PAT-1-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER IS. WATER DEPTH 46.0 ft. Chris Moore COMPLETED 18. DATE HOLE STARTED 8. DIRECTION OF HOLE 5/1/95 5/1/95 VERTICAL INCLINED 17. ELEVATION TOP OF HOLE -38.8 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 8.75 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR S.M. Cook, BLACK & VEATCH SM(9. TOTAL DEPTH OF HOLE 10 Ft. EGENO CORE CLASSIFICATION OF MATERIALS ELEV. DEPTH REMARKS (Description) REC (If significant) -38.8 PAT-1-95-C,G-0 Organic Silty Clay: brown; very soft; low plasticity; wet; w/some Organic odor wood and undecomposed spongy feel organic matter; trace fine sand; Headspace (hs) bkgrnd = 6.4 ppm trace mica. hs = 120 ppm Pocket Penetrometer (PP) < 0.25 tsf Base 2 inches darker brown-black -41.1 Gravelly <u>Sand</u>; brown and gray; mostly medium to coarse sand; well to gap-graded; gravel is primarily coarse sized, rounded; PAT-1-95-C,G-2.3 <10% silt by settling volume hs = 12 ppm trace silt. More Silty (brown) Sand, some gravel Sandy Gravel Northing & Easting in Delaware State Plane (NAD '83) Coordinates

ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE. PROJECT
Berthing Area Vibracore Sampling PAT-1-95

End of Boring at 10 feet.

-47.5

8.7

Hole No.PAT-2-95 NUSION INSTALLATION DRILLING LOG PHILADELPHIA DISTRICT NAD I. PROJECT 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling 2. LOCATION (Coordinates or Station) 11. DATUM FOR ELEVATION SHOWN (TBM of MSL Corps MLW (tied to C&GS marker Tidal 23) 735192.11 E, 692351.76 N 3. DRILLING AGENCY 12. MANUFACTURER'S DESIGNATION OF DRILL 271 B Alpine Pneumatic Vibracore Alpine Ocean Seismic Survey, Inc. 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 4. HOLE NO. (As shown on drawing title and file number) undisturbed: 0 disturbed: 1 PAT-2-95 14. TOTAL NUMBER OF CORE BOXES S. NAME OF DRILLER 15. WATER DEPTH 37.0 ft. Chris Moore 18. DATE HOLE STARTED COMPLETED 8. DIRECTION OF HOLE 5/1/95 5/1/95 ☑ VERTICAL ☐ INCLINED 17. ELEVATION TOP OF HOLE -33.4 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 8.1 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR 9. TOTAL DEPTH OF HOLE 10 Ft. S.M. Cook, BLACK & VEATCH CORE ELEV. DEPTH CLASSIFICATION OF MATERIALS REMARKS (Description) REC (if significant) -33.4 0 PAT-2-95-C,G-0 Organic Silty Clay: dark brown; very soft; low plasticity; wet; Hydrocarbonlike odor w/trace leaves and spongy feel undecomposed organic matter; trace mica. Headspace (hs) background = 6.4 DDM hs = 110 ppm Pocket Penetrometer (PP) < 0.25 tsf Slightly more firm at base of strata. 40.2 PAT-2-95-C,G-6.8 Sand: gray; medium grained: poorly graded; w/some gravel; trace silt. <10% silt by settling volume hs = 38 ppm-41:0 7.6 Organic Silty <u>Clay</u>; dark brown-black-green; very soft; low plasticity; moist; firmer than PAT-2-95-C,G-7.6 hs = 12 ppm spongy feel -41.5 8.1 above; w/trace to some gravel; End of Boring at 10 feet. Northing & Easting in Delaware State Plane (NAD '83) Coordinates trace fine sand in laminations; trace organic matter; trace mıca. ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE. HOLE NUMBER PROJECT

Berthina Area Vibracore Samplina

PAT-2-95

Hole No.PAT-3-95 DIVISION INSTALLATION DRILLING LOG NAD PHILADELPHIA DISTRICT OF . PROJECT 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling IL DATUM FOR ELEVATION SHOWN (TBM or MSL) LOCATION (Coordinates or Station) Corps MLW (tied to C&GS marker Tidal 23) 735083.39 E, 692031.53 N 12. MANUFACTURER'S DESIGNATION OF DRILL 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore Alpine Ocean Seismic Survey, Inc. 13. TOTAL NO. OF OVERBURGEN SAMPLES TAKEN 4. HOLE NO. (As shown on drawing title disturbed: 2 undisturbed: 0 and file number) PAT-3-95 14. TOTAL NUMBER OF CORE BOXES NAME OF DRILLER Chris Moore 15. WATER DEPTH 36.1 ft. STARTED B. DIRECTION OF HOLE 18. DATE HOLE COMPLETED 5/1/95 5/1/95 17. ELEVATION TOP OF HOLE -33.3 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 8.5 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR 9. TOTAL DEPTH OF HOLE 10 Ft. S.M. Cook, BLACK & VEATCH ELEV. DEPTH CLASSIFICATION OF MATERIALS CORE REMARKS (Description) REC (If significant) × -33.3 Organic Silty Clay: dark PAT-3-95-C,G-O PAT-3-95-C-O-MS,MSD Headspace (hs) bkgrnd = 6.4 ppm gray-brown; very soft; low plasticity; wet; w/trace leaves and undecomposed organic hs = 92 ppm matter; trace mica. .. spongy feel Pocket Penetrometer (PP) < 0.25 tsf Horizontal Torvane = 1.04 kg/cm² <u>-38.8</u> Sand; gray; medium grained; poorly graded; w/trace silt. Transition has ~3 inches PAT-3-95-C,G-5.5 hs = 11 ppm Started second attempt at >5, <8 feet depth after jetting, according Gravelly Silt -*39.5* to penetrometer record. Organic Silty Clay; dark brown-black-green; very soft; low plasticity; moist; firmer than PAT-3-95-C.G-6.25 hs = 94 ppm spongy feel above; trace fine sand in laminations; trace organic matter: trace mica.

ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE.

-41.8

8.5

Berthing Area Vibracore Sampling

PP = 0.5 tsf

(continued)

Horizontal Torvane = 1.8 kg/cm²

HOLE NUMBER PAT-3-95

Hole No.PAT-3-95 DRILLING LOG (Cont. Sheet) -33.3 Ft. INSTALLATION Berthing Area Vibracore Sampling PHILADELPHIA DISTRICT BOX NUMBER EGEND CLASSIFICATION OF MATERIALS (Description) CORE REC % DEPTH REMARKS (if significant) -42.3 9.0 Two sample attempts correlated between samples by lining up top of sand strata. Depths set according to recovery from the first run. Total adjusted recovery depth 8.5 feet. The top of sand shifted 0.1 feet deeper in second run if jetting went to 5 feet. Also, the sand increased from 0.75° to 1.6° thick between the first and second runs. End of Boring at 10 feet. Northing & Easting in Delaware State Plane (NAD '83) Coordinates Coordinates and elevations listed are for the 1st run. -12

PROJECT

Berthing Area Vibracore Sampling

HOLE NUMBER PAT-3-95

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE.

Hole No.PAT-4-95 DIVISION INSTALLATION DRILLING LOG NAD PHILADELPHIA DISTRICT 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling LOCATION (Coordinates or Station) IL DATUM FOR ELEVATION SHOWN (76N or MSL)
Corps MLW (tied to CSGS marker Tidal 23) 734969.71 E, 691551.94 N 12. MANUFACTURER'S DESIGNATION OF DRILL 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore Alpine Ocean Seismic Survey, Inc. 3. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 4. HOLE NO. (As shown on drawing title and file number) disturbed: 1 undisturbed: 0 PAT-4-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER 15. WATER DEPTH 40.3 ft. Chris Moore 8. DIRECTION OF HOLE 18. DATE HOLE STARTED COMPLETED 4/30/95 4/30/95 S VERTICAL SINCLINED 17. ELEVATION TOP OF HOLE -37.5 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 9.0 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR 9. TOTAL DEPTH OF HOLE 10 Ft. S.M. Cook, BLACK & VEATCH CORE ELEV. DEPTH 9 CLASSIFICATION OF MATERIALS REC % REMARKS (Description) (if significant) -37.5 Organic Silty <u>Clay</u>; dark gray-brown; very soft; low to PAT-4-95-C.G-0 nonplastic: wet: trace mica. spongy feel 39.2 Gravelly Sand lens; very fine to coarse graded; rounded; well 39.5 2.0 graded; w/some silt; 4" thick. -39.7 Gravelly Sand lens, as above. -40.1 2.6 Strata break confirmed from observation of other PAT samples. Organic Silty <u>Clay</u>; dark gray-brown; very soft; low spongy feel plasticity; moist; slightly firmer than above; trace fine sand in laminations; trace mica. PAT-4-95-C.G-5 Organic Silty Clay: as above w/trace coarse sand/fine gravel (several pieces over 4 řeet). Softer at 6.5'~7.5' w/trace sand (more than 2.5'-6.5'); wetter. One sample attempt. 9.0 feet recovery. Northing & Easting in Delaware State Plane (NAD '83) Coordinates End of Boring at 10 feet. ~15% sand in 8.4'-8.7', and wetter than above. ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. HOLE NUMBER

Berthing Area Vibracore Sampling

PAT-4-95

Hole No.SFM-1-95 OVISION INSTALLATION DRILLING LOG NAD PHILADELPHIA DISTRICT L PROJECT 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Serthing Area Vibracore Sampling 11. DATUM FOR ELEVATION SHOWN (TBM OF MSL) 2. LOCATION (Coordinates or Station) Corps MLW (tied to C&GS marker C 10) 712429.84 E. 681164.17 N 12. MANUFACTURER'S DESIGNATION OF DRILL 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore
13, TOTAL NO. OF OVERBURDEN SAMPLES TAKEN Albine Ocean Seismic Survey, Inc. 4. HOLE NO. (As shown on drawing title disturbed: 1 undisturbed: 0 and file number) SFM-1-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER Chris Moore 15. WATER DEPTH 42 ft. STARTED COMPLETED 18. DATE HOLE 8. DIRECTION OF HOLE 5/3/95 5/3/95 ✓ VERTICAL ☐ INCLINED 17. ELEVATION TOP OF HOLE -40.8 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 9.84 Ft. B. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR SMC 9. TOTAL DEPTH OF HOLE S.M. Cook, BLACK & VEATCH ELEV. DEPTH EGENO CORE ARIA Figure CLASSIFICATION OF MATERIALS REMARKS (Description) REC % (If significant) -40.8 O Silty Sand: gray: fine to medium grained; poorly graded; wet. SFM-1-95-C,G-0 41.3 5 Strong hydrocarbonlike odor Headspace = >1000 ppm -41.5 Silt 30% by settling volume, easily 1.0 seen break between sand and silt. -41.8 Organic Silty Clay: dark SFM-1-95-C,G-1 gray-green; very soft; low to puddinglike consistency nonplastic; wet; sticky; w/some roots, wood, and other Headspace = 840 ppm Pocket Penetrometer (PP) <0.25 tsf Torvane = 2.2 kg/cm² undecomposed organic matter with depth. -2 43.8 3.0 Silty Sand; gray; medium No sample grained; poorly graded; w/trace mica. Thumb penetrates sample several Organic Silty <u>Clay</u>: gray; soft to very soft; moist; low plasticity; w/trace fine sand occurring in inches with moderate effort SFM-1-95-C,G-3.3 Headspace = 720 ppm laminations. Pocket Penetrometer (PP) = 0.5 tsf Torvane - 4 kg/cm² 46.3 5.5 Silty Sand lens; fine to coarse -46.5 grained. -47.2 6.4 One piece of flat rounded coarse Mostly Silty <u>Sand</u>; gray; very fine to fine grained; w/ <4 inch gravel at 6.4 thick lenses of Organic Silty Clay, as above; w/ trace mica; Silt ~25% by settling volume. No easily seen break between very fine w/ occasional black laminations of leaves. sand and silt when settling out. SFM-1-95-C,G-6.4 Headspace = 340 ppm (continued) ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE. PROJECT HOLE NUMBER

Berthing Area Vibracore Sampling

SFM-1-95

Hole No.SFM-1-95 DRILLING LOG (Cont. Sheet) -40.8 Ft. PROJECT INSTALLATION Berthing Area Vibracore Sampling PHILADELPHIA DISTRICT CLASSIFICATION OF MATERIALS (Description) EGENO CORE REC % ELEV. DEPTH REMARKS (If significant) <u>-49.8</u> 9.0 9.84 feet recovery -50.6 End of Boring at 10 feet Northing & Easting in Delaware State Plane (NAD '83) Coordinates - 20 ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. PROJECT

Berthing Area Vibracore Sampling

HOLE NUMBER

SFM-1-95

Hole No.SFM-2-95 INSTALLATION OVISION DRILLING LOG PHILADELPHIA DISTRICT NAD 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling 11. DATUM FOR ELEVATION SHOWN (TBM of MSL) LOCATION (Coordinates or Station) Corps MLW (tied to C&GS marker C 10)
MANUFACTURER'S DESIGNATION OF DRILL 711841.74 E, 660743.02 N 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore Alpine Ocean Seismic Survey, Inc. 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 4. HOLE NO. (As shown on drawing title disturbed: 1 undisturbed: 0 and file number) SFM-2-95 14. TOTAL NUMBER OF CORE BOXES 15. WATER DEPTH 47.4 ft. Chris Moore COMPLETED 18. DATE HOLE STARTED B. DIRECTION OF HOLE 5/3/95 5/3/95 VERTICAL INCLINED 17. ELEVATION TOP OF HOLE -46.0 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 9.84 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR 9. TOTAL DEPTH OF HOLE 10.1 Ft. S.M. Cook. BLACK & VEATCH CORE ABOX ABICA A ELEV. DEPTH CLASSIFICATION OF MATERIALS 9 REMARKS REC % 500 (Description) (if significant) 0 -46.0 Sand: gray: fine to medium grained; poorly graded; wet; w/ Silt ~30% by settling volume, no some silt. easily seen break between sand and -46.7 0.3° transition to Equivalent to the lower section of Organic Silt: dark gray; very SFM-1-95, but with more sand. -47.1soft; w/some clay; trace mica. SFM-2-95-C,G-0 Sand: gray; as sand above: -47.4 Hydrocarbonlike odor some coarse sand in top 0.1'. Headspace = 920 ppm 0.3' transition to Predominantly Silt: dark gray; as silt above. -48.4 Alternating < 0.5'lenses of Sandy Silt and Silty Sand, with some Clay and Organic laminations, generally <1/2 inch thick. Occasional black laminations of leaves below 4'; <1/2 inch thick. Sticky (some clay ~4.5') SFM-2-95-C.G-5 -51,6 5.6 Sand: gray; very fine to fine grained; w/some silt. 52.0 6.0 Silt ~30% by settling volume. No easily seen break between very fine Alternating Silty Sand and Sandy Silt, as above sand and silt when settling out. <u>-53.0</u> Sand: gray: very fine to fine grained: w/some silt. 7.2 -53.2Alternating Silty Sand and Sandy Silt, as above -53.8 7.8 8.0 -54.0<u>Sand</u>; gray; very fine to fine grained; w/some silt. Alternating Silty Sand and Sandy Silt, as above (continued)

ENG FORM 1838 PREVIOUS ELITIONS ARE OBSOLETE.

PROJECT
Berthing Area Vibracore Sampling

HOLE NUMBER SFM-2-95

Hole No.SFM-2-95 DRILLING LOG (Cont. Sheet) -46.0 Ft. INSTALLATION Berthing Area Vibracore Sampling PHILADELPHIA DISTRICT CLASSIFICATION OF MATERIALS (Description) CORE REC % ELEV. DEPTH REMARKS (If significant) 9.0 <u>-55.0</u> One attempt 10.15 feet recovery 10.1 -*56.2* End of Boring at 10.15 feet Northing & Easting in Delaware State Plane (NAD '83) Coordinates - 11 -20 ENG FORM 1836 PREVIOUS EDITIONS ARE OLSOLETE. HOLE NUMBER SFM-2-95 PROJECT

Berthing Area Vibracore Sampling

Hole No.SHI-1-95 INSTALLATION DIVISION DRILLING LOG PHILADELPHIA DISTRICT NAD 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead 1. PROJECT Berthing Area Vibracore Sampling IL DATUM FOR ELEVATION SHOWN (TBN of MSL) Corps MLw (tied to C&GS marker C 10) 2. LOCATION (Coordinates or Station) 12. MANUFACTURER'S DESIGNATION OF DRILL 705673.07 E, 678661.76 N 271 B Alpine Pneumatic Vibracore 3. DRILLING AGENCY 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN Alpine Ocean Seismic Survey, Inc. 4. HOLE NO. (As shown on drawing title undisturbed: 0 disturbed: 1 and file number) SHI-1-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER 15. WATER DEPTH 44 ft. Chris Moore STARTED COMPLETED 18. DATE HOLE 8. DIRECTION OF HOLE 5/3/95 5/3/95 VERTICAL ☐ INCLINED 17. ELEVATION TOP OF HOLE -41.3 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 9.16 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR S.M. Cook, BLACK & VEATCH 9. TOTAL DEPTH OF HOLE 10 Ft. CORE CLASSIFICATION OF MATERIALS ELEV. DEPTH 呈 REMARKS REC (Description) (if significant) X -41.3 SHI-1-95-C-0 OVA background = 7.6 ppm Headspace = >1000 ppm Organic Silty Clay: dark green-gray; very soft; low to nonplastic; wet; sticky; w/trace very fine - medium sand; trace puddinglike consistency organic material; organic odor. SHI-1-95-G-0 collected from 2 to 4.6 feet. PP < 0.25 tsf *45.9* 4.6 Sand: gray; medium grained; subangular; poorly, graded; SHI-1-95-C.G-4.6 Headspace = 22 ppm trace silt: <5% silt by settling volume; brown. Coarsens in base 1 foot As above, with trace to some coarse sand, trace coarse gravel. -48.0 SHI-1-95-C.G-6.7 Organic Clayey Silt: dark gray; soft; moist; no odor; w/some-trace very fine to Headspace = 460 ppm medium sand in laminations <1/2" PP = 0.6 tsf Torvane avg. 2.0 kg/cm² Torvane taken on a vertical surface.

ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE.

Berthing Area Vibracore Sampling

(continued)

HOLE NUMBER SHI-1-95

Hole No.SHI-1-95 DRILLING LOG (Cont. Sheet) -41.3 Ft. INSTALLATION PHILADELPHIA DISTRICT Berthing Area Vibracore Sampling CORE REC % CLASSIFICATION OF MATERIALS (Description) BOX NUMBER DEPTH REMARKS (if significant) ELEV. -50.3 -50.5 9.0 9.2 One sample attempt. 9.16 feet recovery End of Boring at 10 feet. Northing & Easting in Delaware State Plane (NAD '83) Coordinates -20 ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE. HOLE NUMBER SHI-1-95

Berthing Area Vibracore Sampling

Hole No.SHI-2-95 INSTALLATION DIVISION DRILLING LOG PHILADELPHIA DISTRICT NAD 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead I. PROJECT 11. DATUM FOR ELEVATION SHOWN 7/BN or NSL)

Corps MLW (tied to C&GS marker C 10)

12. MANUFACTURER'S DESIGNATION OF DRILL Berthing Area Vibracore Sampling 2. LOCATION (Coordinates or Station) 705229.68 E, 676464.60 N 3. DRILLING AGENCY 271 B Alpine Pneumatic Vibracore 3. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN Alpine Ocean Seismic Survey, Inc A. HOLE NO. (As shown on drawing title and file number) undisturbed: 0 disturbed: 2 SHI-2-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER 15. WATER DEPTH 42.2 Chris Moore COMPLETED STARTED 18. DATE HOLE B. DIRECTION OF HOLE 5/3/95 5/3/95 VERTICAL INCLINED 17. ELEVATION TOP OF HOLE -40.5 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 8.2 Ft. 19. SIGNATURE OF INSPECTOR B. DEPTH DRILLED INTO ROCK S.M. Cook, BLACK & VEATCH 9. TOTAL DEPTH OF HOLE CLASSIFICATION OF MATERIALS CORE ELEV. DEPTH REMARKS REC (Description) (if significant) -40.5 SHI-2-95-C.G-0 Geotechnical sample taken from ~0.3'depth. puddinglike consistency Organic Silty Clay: dark green-gray; very soft; low to nonplastic; wet; sticky; w/trace very fine - medium sand; trace Headspace = >1000 ppm Northing & Easting in Delaware State Plane (NAD '83) Coordinates organic material; organic odor. Coordinates above are for the 2nd 45.6 <5% silt by settling volume; brown. SHI-2-95-C,G-5.1 Sand: gray; medium grained; subangular; poorly graded; w/trace silt in lumps. Headspace = 22 ppm 2 inch long piece of wood in sand at -*48.3* 7.8 Organic Clayey Silt: dark gray; soft; moist; no odor; w/some-trace very fine to medium sand in laminations <1/2" SHI-2-95-C,G-7.8 Headspace = 12 ppm <u>-48.7</u> VOA only chemical sample taken due to 0.4 ft. recovery of this strata. End of Boring at 10 feet. apart Two sample attempts. 8.2 feet recovery on 2nd attempt ENG FORM 1838 PREVIOUS EDITIONS ARE OBSOLETE. PROJECT HOLE NUMBER

Berthing Area Vibracore Sampling

SHI-2-95

Hole No.SMH-1-95 DIVISION INSTALLATION DRILLING LOG PHILADELPHIA DISTRICT NAD 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead I. PROJECT Berthing Area Vibracore Sampling 11. DATUM FOR ELEVATION SHOWN (TBM OF MSL) 2. LOCATION (Coordinates or Station) Corps MLW (tied to C&GS marker H 10) 655862.92 E. 658031.15 N 3. DRILLING AGENCY 2. MANUFACTURER'S DESIGNATION OF DRILL 271 B Alpine Pneumatic Vibracore Alpine Ocean Seismic Survey, Inc. 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 4. HOLE NO. (AS Shown on drawing title disturbed: 3 undisturbed: 0 and file number) SMH-1-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER 15. WATER DEPTH 43.8 ft. Chris Moore STARTED COMPLETED 18. DATE HOLE 6. DIRECTION OF HOLE 5/2/95 5/3/95 ✓ VERTICAL ☐ INCLINED 17. ELEVATION TOP OF HOLE -40.0 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 2.58 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR SM S.M. Cook, BLACK & VEATCH 9. TOTAL DEPTH OF HOLE NUMBER NUMBER CLASSIFICATION OF MATERIALS CORE EGEND ELEV. DEPTH REMARKS (if significant) (Description) REC -40.0 O. SMH-1-95-C.G-0 Sandy Silt: gray-brown; Headspace = 10 ppm semiliquid; sand is very fine to Headspace background = 6.4 ppm fine: w/trace medium to coarse -41.4 Gravel: gray: very dense; mostly coarse sized; rounded; w/sandy SMH-1-95-C,G-1.4 Headspace = 9 ppm silt (as above) binder. 15-20% silt by settling volume. One 5.5 inch maximum axis piece broken off of a larger cobble. -*42.6* 2.6 End of Boring at 2.6 feet. Three sample attempts. First and third had no recovery. Second attempt had 2.58 feet recovery, Vibracore penetrometer showed ten feet penetration, eight feet pullout. 2.58 feet recovery. Northing & Easting in Delaware State Plane (NAD '83) Coordinates Coordinates and depths listed above are based on the second sampling attempt - 5 - 9

PROJECT

Berthing Area Vibracore Sampling

HOLE NUMBER

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE.

Hole No.SMH-2-95 INSTALLATION DIVISION DRILLING LOG PHILADELPHIA DISTRICT NAD 10. SIZE AND TYPE OF BIT 3.5" ID/4.5" OD cutterhead Berthing Area Vibracore Sampling II. DATUM FOR ELEVATION SHOWN (TBN OF MS 2. LOCATION (Coordinates of Station) Corps MLW (tied to C&GS marker H 10) 654627.98 E. 657048.40 N 3. DRILLING AGENCY MANUFACTURER'S DESIGNATION OF DRILL 271 B Alpine Pneumatic Vibracore Alpine Ocean Seismic Survey, Inc. 3. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN 4. HOLE NO. (As shown on drawing title and file number) undisturbed: 0 disturbed: 2 SMH-2-95 14. TOTAL NUMBER OF CORE BOXES 5. NAME OF DRILLER 15. WATER DEPTH 43.5 ft. Chris Moore 18. DATE HOLE STARTED COMPLETED 6. DIRECTION OF HOLE 5/2/95 5/2/95 ☑ VERTICAL ☐ INCLINED 17. ELEVATION TOP OF HOLE -42.5 Ft. 7. THICKNESS OF OVERBURDEN 18. TOTAL CORE RECOVERY FOR BORING 2.5 Ft. 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR 9. TOTAL DEPTH OF HOLE 2.5 Ft. S.M. Cook, BLACK & VEATCH CLASSIFICATION OF MATERIALS CORE ELEV. DEPTH REMARKS (Description) REC (if significant) -42.5 SMH-2-95-C,G-0-R1 Recovery 1.67 feet. 2.5" piece of concrete, several pieces (max. 4") First run: Gravelly Silty Sand: gray; very fine to fine grained; very dense. of broken state. Headspace = 16 ppm Second Run: Sand: gray (darker below 1.4); very dense; poorly graded; w/trace silt; some Headspace background = 6.4 ppm SMH-2-95-C,G-0-R2 gravel (more at top). Recovery 2.5 feet.
Silt -10% by settling volume.
Headspace = 9 ppm -45.0 2.5 End of Boring at 2.5 feet (run 1). Two sample attempts; 2.5 feet depth maximum recovery. Northing & Easting in Delaware State Plane (NAD '83) Coordinates Coords listed above are for the second run. First run coordinates are 657044.26N, 654643.72E.

PROJECT

Berthing Area Vibracore Sampling

HOLE NUMBER

SMH-2-95

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE.

Appendix B
Position Precision Calibration Report

Position Accuracy Calibration Procedure Report.

This is to certify that

On Friday, 28 April 1995, Alpine's Trimble 4000 DGPS System utilizing the US Coast Guard differential signal was checked for accuracy on two points on the Passaic River, in North Jersey, that were established for Alpine by GEOD Corporation. The points used were TR-230 - Pk nail X=2140622.97, Y=693377.94 and TR-235 Pk nail X=2139379.5, Y=698330.93. The equipment was setup on the two points and positions read for 15 minutes on each. All of the readings taken were within 15 feet of the computed coordinates.

Paul J. Epdlius, Jr

N.J. Licenso No. 37186

1.0 INTRODUCTION

į.

Black & Veatch Waste Science, Inc. contracted Alpine Ocean Seismic Survey, Inc. to obtain sixteen (16) ten (10) foot core samples at eight berthing locations along the Delaware river. The sixteen (16) cores were collected during the field work period of April 30th to May 3rd, 1995.

1.1 Description of Standard Operations

Cores were taken using the following procedure:

- 1) Coring vessel (Alpine's R/V "Atlantic Twin) was accurately positioned on target core location using DGPS.
- 2) Core samples were taken with an Alpine Pneumatic Vibracore. Penetration of the coring pipe was determined with a penetrometer which recorded depth of penetration versus time. Target penetration was ten (10) feet with at least eighty percent (80%) recovery. If less than eight (8) feet of penetration was achieved (refusal was considered less than one (1) foot of penetration over a five (5) minute period) the sample in the coring pipe was removed, a new liner was inserted, and the rig was jetted down to the depth where the refusal was previously met. The jet pump was then shut off and the vibrator head was activated. Retries were conducted until penetration reached at least 8 feet, or until two retries were attempted.
- 3) Once the core liners (filled with soil sample) were removed they were cut to five foot sections and placed in a refrigerator at a temperature of 40° to insure that the sample remained properly conserved for lab testing.
- 4) At each location water depths were recorded using a digital echosounder
- 5) Tide staff readings were taken at three separate locations during operations in order to correct water depths to MLW (see Section 2.5 for further details).
- 6) In addition, two hundred (200) gallons of water were sampled for lab testing off of Pier 9 in Philadelphia (see Section 2.6 for further details).

1.2 Summary of Events

DATE	TIME	EVENT
4/30/95	0800 0840 0845-0850 0853 0952 1001 1015	R/V Atlantic Twin departs Pier 9 On location Core BST-1 Vibrating Coring Rig Core on board - Sample rejected Taking Core BST-1 Run 2 Stop Vibrating Core BST-1 Complete

DATE	TIME	<u>EVENT</u>
4/30/95	1130 1142-1152 1204 1310	On location PAT-4 Vibrating Coring Rig Core PAT-4 Complete Vessel returns to Pier 9, Black & Veatch representatives taking water sample for the rest of the day
5/1/9 ⁵	0720 0800 0816-0831 0837 0845 1050 1115-1122 1132 1145 1208-1215 1233 1314 1320-1323	Vessel underway to PAT-3 On location PAT-3 Vibrating Coring Rig Core on board Rigging for Jetting operations Core PAT-3, Run 2 Vibrating Core PAT-3, Run 2 Core PAT-3 Complete On location PAT-2 Vibrating Coring Rig Core PAT-2 Complete On location CRC-1 Vibrating Coring Rig Core CRC-1 Complete
T <u>.</u>	1345 1349-1351 1351 1540 1544-1548	On location CRC-2 Vibrating Coring Rig Recovered 5', preparing to jet Jetting to 6' Vibrating Coring Rig
	1555 1610 1616-1621 1628 1700	Core CRC-2 Complete On Location PAT-1 Vibrating Coring Rig Core PAT-1 Complete Arrive at Pier 9
5/2/95	0740 0945 1000-1010 1025 1120 1137 1209 1315 1322-1325 1325 1430	Vessel underway to SMH-2 On location SMH-2 VibratingCoring Rig - Rig hit very hard bottom Second attempt at SMH-2 - Hit hard bottom again at 2'6", decision made to abandon location En route to BP area Waiting off locaton for vessel at pier to cast-off Cut penetrometer cable, repairing cable On location BPO-1 Vibrating Coring Rig Hoses caught in screw and damaged Hoses repaired

DATE	TIME	<u>EVENT</u>
5/2/95	1451-1502 1550-1558 1607 1620 1629-1634 1642 1710 1714-1719 1728 1737 1743-1748 1755 1810	Second attempt at BPO-1 - Recovered only 4'. Rigging for third attempt Vibrating Coring Rig Core BPO-1 Complete On location BPO-2 Vibrating Coring Rig Core BPO-2 Complete On Location SMH-1 Vibrating Coring Rig Core pipe empty - no recovery Reposition for second attempt Vibrating Coring Rig Core on board, only recovered 2'6" - Heading for Sun Oil Dock Secured at Sun Oil Dock
5/3/95	0700 0715 0720-0726 0740 0910 0912-0915 0920 0930 0935 1000 1045 1057-1058 1105 1120 1129-1130 1140 1148 1150-1152 1203 1310-1316 1326	En Route to Core site SMH-1 On location SMH-1 Vibrating Coring Rig - Hit hard rock (no recovery) En Route to location SHI-1 On location SHI-1 Vibrating Coring Rig Core SHI-1 Complete On location SHI-2 Coring Rig Not Vibrating Repairs performed to pressure hose Reposition on to Core location SHI-2 Vibrating Coring Rig Core SHI-2 Complete On location SFM-1 Vibrating Coring Rig Core SFM-1 Complete On location SFM-2 Vibrating Coring Rig Core SFM-2 Complete On location BST-2 Vibrating Coring Rig Core BST-2 Complete - Vessel returning to Pier 9 Job Complete

Κ.

2.0 EQUIPMENT

ŧ.

2.1 Survey Vessel

The R/V Atlantic twin, a 90-feet steel catamaran hull research vessel with a 7-feet draft, was used as the platform for the vibracoring operations. The vessel has ample deck space, anchoring system, hydraulic crane, deck winches and A-frame capability for vibracore operations. The navigation equipment, with associated computer, printer and display unit, was mounted in the pilot house. The vessel has sleeping facilities to accommodate crew and vibracore staff during the survey period.

2.2 Positioning System

A Trimble 4000 Differential GPS Navigation System was used throughout this operation. The DGPS system consists of an 8-channel satellite receiver connected to an HF data link receiver which obtains differential correction signals from the United States Coast Guard GPS transmitter at Cape Henelopen, Delaware.

2.3 Navigational data Acquisition and Logging System

The WGS-84 Geographic position obtained by the GPS navigation system were converted into New Jersey Mercator (NAD '83) coordinate positions, using a computer and Sextant navigation software, version 9.44. The system consists of the following components:

- 1) 486 DX 33Mhz Computer w/3.5" logging disks.
- 2) Color video monitor (Helmsman Display).
- 3) Printer.
- 4) Sextant closure box and software.

2.4 Positioning System Calibration

On Friday April 28, 1995, Alpine performed Position Calibration procedures on the Trimble DGPS system which was to be used aboard the R/V "Atlantic Twin" for positioning during coring operations on the Delaware River. The test utilitized the U.S. Coast Guard differential signal. Once the calibration procedure was successfully completed the navigation system was installed aboard the aforementioned vessel. After installation the system was checked for relative accuracy to the pier. Readings over a ten (10) minute period varied no more that five (5) feet. The positions recorderd were plotted on a 1:200 scale chart of the area and coincided with the actual boat position. The Calibration Certificate is contained in the Appendix to this report.

2.5 Vibracore

į.

A model 271 B Alpine Pneumatic Vibracore configured to take cores 10 feet in length was used on this project. The model 271B is a self-contained, free standing pneumatic vibracore unit. The unit consists of an air-driven vibratory hammer assembly, an aluminum H-beam which acts as the vertical guide for the vibrator, a set of four steel support pads and legs which hold the beam upright on the sea bottom, a steel coring pipe, a cutting edge, a core retainer, a clear PVC core liner and a penetrometer which records time and depth of penetration of the core pipe into the sea bottom. An air hose array provides passage of compressed air from the compressor on deck to drive the vibracore. A jet pump was installed aboard the vessel to provide high pressure water for jetting operations.

2.6 Echosounder

An Innerspace 448 Digital Echosounder obtained water depths at each core site. The echosounder was calibrated at the beginning of operations by the "bar check" method. Water depths were corrected to MLW using tide staffs installed at the following locations:

For cores BST-1, BST-2, PAT-4, PAT-3, PAT-2, PAT-1, CRC-1, CRS-1: Tide Staff at Pier 9 tied to C&GS Marker "Tidal 23

For cores SMH-1, SMH-2, BPO-1, BPO-2: Tide Staff at the Sun Oil Terminal at Marcus Hook tied to C&GS Marker "H 10"

For cores SHI-1, SHI-2, SFM-1, SFM-2:

Tide Staff at U.S. Corps of Engineers Fort Mifflin Base tied to C&GS

Marker "C 10".

2.7.Water Sampling

As part of the overall project, two hundred (200) gallons of water were pumped from the Delaware River off of Pier 9 in Philadelphia. Pumping from the river was accomplished using a Manostat Varistatic Pump (Model: Simon Variable Speed Peristaltic Pump) with 25 feet of 5/16" diameter hose. The water was sampled from ten (10) feet off the peer by passing the hose along a ten (10) foot pipe extending off the peer. A weight was placed at the end of the hose to insure that it hung straight down from the pipe into the water. The sampled water was placed into containers and stored in coolers to insure that the samples were not degraded before being submitted for laboratory testing.

2.8 Personnel

į.

The following key personnel were aboard the vessel:

Alpine Party Chief:

Captain:

Vibracore Operator:
Black & Veatch Representatives:

James Cole

Raymond Bernard

Chris Moore

Corry Platt

Sean Cook

Appendix C
Chain-of-Custody Forms

..... ---

Client Name		BI	عد	ķ c	, Ye		ch L	1031	ھے	2	ience.				Aı	ialy	sis l	Requ	iest	ed			Login #:	
Address		امل	27	11	10		UF S	Sicc	<u>c1</u>														Nytest Environments	al Inc.
					7								ł	2	8	1							60 Seaview Blvd Port Washington N.	Y 11050
				-		7-	ا منط	PA	19	!//_) /		S	1	epomo	. 0							Attn.: Sample Contro	
Project Manager		_(בעב	Ω.	_70	Ξ̈́Υ.	10C				0.00	_	Je	19	Ě	. A	1,00						Date Shipped:	
Phone		إليه	<u>5.</u>	9	<u> 28.</u>	-0	<i>70</i> 0	. FAX	21	<u>5-9</u>	928-1780	$2 \mid$	air		ŭ	1 ₀ A	7 2						Carrier:	1101
Project Name		- 4				-	حک	$\alpha \rho$	يكلا	<u>.</u>			Containers	7	. ~	Elotriate	sectechnica					:	Air Bill #:	
Project Number		11	ΩL_{Ω}	0	٦.		2/						ည	4		七	+						Cooler#:	
P.O. #			٠,٠	,,		7					01221016	-	of	VOA	यम्	可	1 8						CofC#:	
Analytical Protoc	ol				<u> </u>	<u>_</u>	01	_Delive	rable	,s	RLDDNCLP TCDatt	-			1	i .	10/0	or (For		se Onl))	<u> </u>	SDG #:	
Sampled By Lab ID			∑ C Samp			<u> </u>	7/7	<u> </u>	(~	7			No.			1	 	1	 1	i .	l	T	NEI QT #:	
(Lab Use Only)		(N	laxim	uni c	of 6		Dute Sumpled	Time Sumpled			Sample Location	Ì											Comn	nent
			hara		<u> </u>	- ->	-H-	1000	-								عد						~188	
	<u>C</u> _	15	C	1	6	3					95-6-3.5		1	X	χ.	X		1						
					 	 	195	1332	.CR	<u>C</u>	1-95-C-6.	0	3,		<u> </u>			-	 	-		-	- Cit	
			-	-	-	-	c/ la	12			10-0-2	, ,,	4	×	*	×		1	\vdash	+	 	-	1	
	_	-	-	-	C	-					1-95-C-3		2	×	X	X	1		-	1		1	Da alutriale y	/ Car 10
		1-1	11	 /	<u> C</u> _	1 <u>9</u> .	3/2/95	1148	DM	H-1	1-95-C-0.0		<u> «</u>					 		-			103 600	المصم
24रि-		77-	177-			+	5/6-	1000	Ca		105000	. 17.4	2	X	×	X	1	·		 •		1.	Do Elutriate	ile
-	<u>s</u>	179	7/2	1	Ø						2-95-C-0.0			X	X	V	1	1	1	 	 	1	Same as	
	<u>ک</u>	M	12	<u>C</u>	d.				1		1-95-C-00-		1	·		1	X		1					
	2	14	11	1	4					_	1-95-G-0.0		' ,		 	 	X	 	1	-	1	1		
Relinquished by:	<u>S</u>	M	12	G	P	1.1-	5/2/95		<u> </u>	' <i>1/-</i> 	2-95-6-0.0- Received by	-K.L.		<u> </u>				/ Time			1	Tah	Use Only	
11/000	۷.	<u> [</u>	ΩĮ.					1 / 1	l	- 1	Print Name:	<u> </u>	م م	2/1	<u>'</u>		5/1	ر بر ا	Cus	lody Sea	ls:	Intact		Al
Print Name:	7	<u></u>	24	177				5/5/15	154	5	7.10	Egin	ess.	oue S.	<u>/1;</u>				4	nie Ber	d in Co		lition?: Y	N
Relinquished by:								Date	/ Time	• [Received by:						Date	/ Time	10000000		*****		Degrees C	
Print Name:] .			Print Name:						:							
Relinquished by:								Date	/ Time	•	Received by Laboratory:	:			·······		Date	/ Time	าแร	PECTE	OBY:_			
Print Name:								┥		t	Print Name:			·········			1	ŀ	CC	MME	VIS:_			
·		·							L								J	1	│					
Special Instru	ctio	ns :		٠.													-							
•									_										-					
							CLI	ENTP	ETAI	NS	YELLOW COPY	YONI	υY					·						
							~ ~ ~ .						-		-									



age#:	20

Client Name Block a Vegle Address (a) / (1) / (a)			nicoce			Aı	naly	sis .	Requ	uest	ed			Login #:
Project Manager Phone Project Name Project Number	96 700 FAX SOME DO!	1910 215 VIX	RIDDNCLP	o. of Containers	YOA per The is	To 2 Compd	Elofriate	C	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		شد آ			Nytest Environmental Inc. 60 Seaview Blvd Port Washington N.Y. 11050 Attn.: Sample Control Date Shipped: Carrier: Air Bill #: Cooler #: C of C #:
Lab ID (Lab Use Only) Sample ID (Maximum of 6 Characters)	Date Time Surpled Surpled		Sample Location	No.		1	om # S	m/O	ut (For	Lab U	se Om	y)		SDG #: NEI QT #: Comment:
SMH1C1	5/2/25 1748	SMH.	-1-95-C-1.4	2	Х	X								Do Eletaroto ifen
- 1000000000000000000000000000000000000	7 /	1	-1-95-6-1.4	/				x						3
ا ایادها ا		1	-2-95-G-0.0-R2	1				X						
BPOICO	5/2/15 1324	BPO-	1-95-C-0.0	4	×	х_	x							
BP0160:	5/2/75 1324	BRO	-1-95-G-0.0	_/_				x	ļ		ļ		ļ,	DOP
BP01C6	5/2/95 1324	BPO	-1-95-C-6.2	3	X	X	_بر_	ļ	<u>.</u>		<u> </u>	<u>.</u>	· .	Do Eintante is
BPD166	5/2/25 1374	BRO-	-1-95-G-6.7-	1			<u> </u>	X				<u> </u>	ŀ	0
	1:45 1646	Beo.	-2-95-C-0.0	3	<u>.</u>	አ	<u></u>	<u> </u>					<u> </u>	
BP0264	11/95 1646	BPO	-2-95-G-0.0	1			<u> </u>	x	·					
BP0204	1495 1646	BFO	-2-950 C-41	3	\mathbf{x}	X	<u>x</u>	<u> </u>	1					
Relinquished by:	Date /	Time	Received by	Zer.		1	<u> </u>	Date /					Labl	Use Only
Print Naufe: CORRY T. PLATT	15/15	1540	Print Name:	2	?			15/20	15:40	Custo	ody Seal	s;)	Intect	Broken Abs
Relinquished by:	Date	Time	Received by:	ميندم	<u></u>			Date /			le Rec'o	i in Goo	d Condi	ition?: Y N
Print Name:	•		Print Name:					1		Samp	le Temp	erature	·	Degrees Celcius
Relinquished by:	Date	Time	Received by Laboratory:					Date /	Time	UNSP	ECTEL) BY:		
Print Name;			Print Name;]		CON	MMEN	ITS:		
Special Instructions:	CLIENT RE	TAINS	YELLOW COPY ONL	, Y					· ·					



	• •	•	· · ·)	
ΩC	##		~ ~ ·	
ge	tt	•		,

Client Name	Block a Ventch L			ience			Aı	ialy	sis	Requ	iest	ed			Login#:	
Address	ح الماطل الم	Icce	·/												Ship to: Nytest Environmen	ital Inc.
	Suile 705					1									60 Seaview Blvd	
	Philodelphia.	PA	1910	(0-3307	S	7	choom	0,50	- -						Port Washington N. Attn.: Sample Cont	
Project Manager	John Taylor				er	-	9	$\mathcal{Q}_{\mathcal{Z}}$	<u> </u>	.					Date Shipped:	
Phone	215.928-0700			-928-1780	ain	F	<u> </u>		5							UNIEN
Project Name	Vibracore Say	ΔD_{II}	<u>~</u>		Containers	• 3	O	10	پ ا						Air Bill #:	
Project Number	40600.001				Į	ā	- 2	42		}					ł.	
P.O. #						YOA	161] [2	3		,				Cooler #: ——	
Analytical Protocol		_ Delive	rables _	KLDDNCLP	o.	7			1	1					Cotc#:	
Sampled By	Corry T Plott	<u> </u>	<u> </u>	Plant	No.		E	3in#'s	In/O	ut (For	Lab U	se Onl	y)		SDG #:	
Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Samples	Time Sampled	1	Sample											NEI QT #:	
(0.000,0.00)	Characters)			Location											Com	ment
B	POZG45/2/95	146	BPO.	-7-95-G-4.1	1				X							
5	11 I 1 C & 5/3/49	0917	541	-1-95-C-0.0	4	χ	X	X		<u> </u>						
S	H I 1 G & 5/3/95	0917	SHZ	-1-95-G-0.0	1				X			<u>'</u>	<u> </u>		·	
OTP 5	11 1 2 1				<u> </u>											
ς		2917	SII	-1-95-C-4.6	3	X	X	x								
2				1-95-6 -4.6	1				x							
S				-1-95-C-6,7	3	አ	К	X								
-				-1-95-6-6.7	1				х							:
3				-2-95-C- 0.0	4	χ	×	X	1	 	1	1	1		1	
2	1 4 + 2 4 4 5/2 6	1050	SAF	-2 05-G-0.D	1	 C -	 	 	×	1	 	1	1			
Relinquished by	11-12-12-10-10-1-12/93		Time	Received by:		٠				Time		1	1	lah	Use Only	
1 Color Manda		-		Print Name:	2000		The		9/5/	15:4	A Cust	od v Sea		lnuct	····	۸b
CCRY T	PLATT	ļl			mar	mis	m.		120		700000000	*******			ition?: Y	
Kenndustied by,		Date	Time	Received by:					Date /	Time						
Print Name:				Print Name:							Samj	ple Tem	peradure	•	Degrees (Celcius
Relinquished by:		Date	/ Time	Received by Laboratory :		•		,	Date	Time		brezei				
Print Name;				Print Name:							CO	MMEN	vis:			
	•	.1	<u> </u>				· 1 · · · · · · · · · · · · · · · · · ·		لـــــا	· · · · · · · · · · · · · · · · · · ·	┧					
Special Instruction	ons :															
***************************************									<u></u>							
	CIT	ENT DE	TAINS	YELLOW COPY ON	LY											
	CDI	~*** ***			~ 4											



Chain of Custody Record Analysis Requested

d	nge#: <u></u>
	Login #:
	Ship to:
	Nytest Environmental Inc. 60 Seaview Blvd
	Port Washington N.Y. 1105
	Attn.: Sample Control
	Date Shipped:
	Carrier: Country
	Air Bill #:
	Cooler #:
	C of C #:
	SDG#:
	NEI QT #:
	Comment
	Do districte if
	0
	r
b	Use Only
	Broken A
and	Itlan7: Y D
	Degrees Celcius

Client Name	,	BL	مد	<u>K</u> _	a V	co	Ich	عطب	ilc.	Science			Aı	ıaly	sis I	lequ	iest	ed			Login #:
Project Manager Phone Project Name Project Number P.O. # Analytical Protoco		Sample ID Det Time Sample								RLDONCLP	. of Containers	NOA per Tolde 2	Tel 2 computs	Eldriate	Geotechn						Nytest Environmental Inc. 60 Seaview Blvd Port Washington N.Y. 110. Attn.: Sample Control Date Shipped: Carrier: Counter Air Bill #: Cooler #: C of C #:
Sampled By Lab ID (Lab Use Only)		(M		le ID	16	/	Due Sampled	Tirre Sampled	~~ <i>[</i>]	Sample Location	No.			Bin#'s	IN / O	u (For	Lab U	se on	19)		SDG #: NEI QT #: Commen
	<u>ر</u> ،	11		2	7	<u></u>	5/3k15	1050	CUT	-2-95-C-5.1	3	x	ス	χ							
	5	11	上工	2	G	1	5/3/93			-2-95-G-5.1	1,	 `` -		<u> </u>	X			1			•
	S S	H	エ	2	C	7				-J-95-C-78	1	X									
	S	11	I	1	G	4-4-				2-95-G-7,8	1				Х						
	5	F	M	1	2	d	53.95			1-1-95-C-0,0	2	X	X	X						_	Do eldnible if
	S	F	M	7	G	0	5/3/95			1-1-95-G-0.0	1				X						
	S	F	M	1	C	1	-73/45			1-1-95-C-1.0	3	χ	X	Х				<u> </u>			
	S	F	M	1	G	1	5/3/18		SFA	1-1-95-6-1.0) 1				X						
	3	F	M	1	C	3	5/3/9		SFM	1-1-95-C-3,3	3	X	X	X							
	5	F	M	17	_	3				1-1-95-G-3,3					X		<u> </u>				
Relinquished by: Print Namy C1*C' Relinquished by:		LA:	1	-				Date 7/15	/ Time	Print Name: Received by: Received by:	ake n	u.shi	<u></u> `		5/5/95	Time	Sam	ple Rec	'd in Go	Intact od Com	Use Only Broken Hillon7: Y Degrees Gelclu
Print Name;] ·		Print Name:											Degrees Grion
Relinquished by:								Date	/ Time	Received by Laboratory:				·····	Date	/ Time			ed by		
Print Name:								7		Print Name:							100	MME	NTS:_		
Special Instru	ctio	ns :					CL	VNT P	ETAIN	S YELLOW COPY ON	ILY										



Client Name								Aı	naly	sis J	Regi	iest	ed			Login #:
Address	GOL UDIOL										*					Ship to:
	Suile 700						. 1									Nytest Environmental Inc. 60 Seaview Blvd
	Philodelph	sio.	PA	1910	10-33/17	70	7	اف	~							Port Washington N.Y. 1105
Project Manager						Containers	101	Compel	Prep.	seotechnica						Attn.: Sample Control
Phone	215-928-1	700_	FAX 6	215-	728-1780	in	i 1	Ę	1	S						Date Shipped:
Project Name	Vibracace	Som	عنلهم	2		ıta	be c	O	Elyrish	12						Carrier: Covied
Project Number	40600.0					Ę	1 i	. 4	1	15						Air Bill #:
P.O. #						of C	3	10	2	ا کم		•				Cooler#:
Analytical Proto	Protocol Table 2 Deliverables RLDDNCLP						5)						CofC#:
Sampled By		Plott	L'ore	<u> </u>	Vall	No.		E	3in#'s	In/O	it (For	Lab U	se Only	/)		SDG#:
Lab ID (Lab Use Only)	Sample ID (Maximum of 6	1 1	Time Sampled	,	Sample											NEI QT #:
	Characters)				Location	<u> </u>										Comment
	SFMIC6	5/3/95 11	31	SFM-1	95-C-6.4	3	Δ.	X	<u>x</u>	<u>.</u>						
	SFM166	5/3/95 11	13)	SFM-	1-95-G-6.4	1				X				<u> </u>		
	SFM2CØ	5/3/95 11	* 1		-95-C-0.0	7	K	X	X		<u> </u>					Do MS/MSD on
		5/3/95 11		SFM-	95-6-0.0	1				K						
		73/95 1		SFM-	2-95-C-5.0	4	8	Х	x	ļ	ļ					
	S FM 2 6 5	<i>5/3/95</i> 11	152	SFM-	2-95-G-5,0	<u>Li</u>	<u> </u>			X						
	BSTZCØ	93/95 13	317	BST-2	2-95-C-0.0	2	<u> </u>	Х	х							Do Elutriate if
	BSTZGØ	5/3/95 1	317	BST-	2-95-G-0.0					X						0
					2-95-C-0.75	954	1 x	х	x							·
	BST 261				2-95-G-0.75	1				X					1	
Relinquished by:	-CUH-		Date / 7		Received by:	7			1	Date /	Time				Lab	Use Only
	T. PLATT	7	5/01/	15:50	rint Name:		~~~	/ 1	~	5/	15:40	Custo	dy Seal		ntact	
Relinquished by:	· / C/(//		Date / 1		Received by:	Made	دسي	مما		_/25]		Samp	le Rec'd	l in Goo	d Condl	ltion7: Y N
Print Name;				-	Tint Name:		-		` .			Samp	le Temp	erature		Degrees Celcius
Relinquished by:			Date / 7	Time I	Received by Laboratory:					Date /	Time	INSP	ectel) J) Y:		
Print Name:	•			L	rint Name:						-	CO	MMEN	ITS:		
										L		ł				
Special Instru	ctions :															
						.										
																

CLIENT RETAINS YELLOW COPY ONLY



page	#	•	6
mge	н	٠	'

Client Name	Blo	CK.	a 1/2	, 30,	lch	45	s/c	Scie	20°				A	naly	/sis	Req	uest	ed			Login #:		
Address					14	Stre	-1					l			T	1	1	Τ	1		Ship to:		
			<u>ئے۔</u>																		60 Seaviey	vironmental v Blvd	i inc.
	Ph	10				PA	_191	10Lc:	330	7	w											ington N.Y.	
Project Manager		424		$\overline{}$	110C						er	17						Ì			1	iple Control	ı
Phone	2/5								<u>B-17</u>	30	ain	Water		ŀ				ł	1		Date Ship		
Project Name	NIE.	1/2			<u>S</u> _	يردمه		29_			nt	>						ļ			Carrier.	ورين	
Project Number	40		Z).	Δ	<u> </u>						Containers	1							1	<u> </u>	1	: —	
P.O. #		-, ,	7					~		<u> </u>	of (3											
Analytical Protocol Sampled By		ble			01-1	_ Delix	erables *	KLI	SDAC	ile!	0.0						***************************************		07/80000000	****************	ল	· 	
Lab ID		nple II	<u></u>		PIQ	T	77		10xt		Š	<u> </u>		din #'s	In/C	out (For	Lab U	se Oil	y) 		SDG#:		
(Lab Use Only)	(Maxi	niuni	of 6		Date Sampled	Time Sampled			umple ocation												NEI QT		
		racter			-//		-			·	ļ											Comm	en
T	B 5	0	4	H	74795	1500	Trip	2 18/0m	<u> </u>	5-PM	2	X		ļ	<u> </u>	<u>. </u>				ļ	<u> </u>		
<u> </u>		-	-	 		ļ					 	ļ	ļ	ļ	 		ļ	ļ	ļ	ļ			
		-	-	 -		<u> </u>							<u> </u>		ļ			ļ		<u> </u>	<u> </u>		
		╬	-					4			ļ				 	-	<u> </u>	<u> </u>	ļ	.			
	┝╌├╌	+-	-				+/	// /			ļ				-		ļ	ļ	ļ	ļ		···	
		-	-		/-	-(-	1-6-	1000			<u> </u>	<u> </u>		<u> </u>		<u> </u>	ļ	<u> </u>	ļ	ļ			
	-	-	-	ļ,	(40	<u> </u>	-			·	ļ		<u> </u>		ļ			<u> </u>					
	-					<u> </u>	_				<u> </u>	<u> </u>			ļ								
		1	_						·		<u> </u>				<u> </u>	<u> </u>							
P-ID-I-1	_لِـلِـ						<u>.l</u>			•		<u> </u>	<u> </u>	<u> </u>									
Relinquished by:						Date	/ Time	Receive	16)		? ~	1			Date	Time				Lab	Use On	ĺγ	
Print Name:	- (A A	I.TI	-		19/2-	1540	Print Na	me:	1.1	Jour	7/1			15/2	15:46	Cusi	dy Seal		Intact	Brol	*****	- Al
Relinquished by:			<u> </u>			Date	/ Time	Receive	d by:	yma	محصد	ishi			Date	Time	18888888			d Condi	tion?:	Υ	N
Print Name:		·						Print Na	me:												D		clus
Relinquished by:				*	,	Date	/ Time	Receive	d by Laborate	ory ;					Date	Time	INSP	ectel	יאת:				
Print Name:								Print No	me:	•	/						CO	MMEN	TS:				
							<u> </u>		·····								 						
Special Instruction	ns :								·														
																							Ⅲ
····				<u>-</u>	CLU	NT RI	TAIN	SYRII	OW CO	PV ON	·												



	(516) 625-55	600 FAX: (16) 625	-1274		цаі	m () T ($\cup \mathbf{u}$	210	uy	7/	ecu	71.U	•	,- ,+, t
Client Name	Brock & ito	tch w	sic	Suche	-		Aı	naly	sis	Requ	iest	ed			Login #:	
Address	401 LUDIO		1		-		. 0					,			Ship to: Nytest Enviro	onmental Inc.
	Suite 70		1	2421 4207	-	1	7	Ċ			,_			wasin.	60 Seaview I	Blvd
Project Manager	John Tay	•	<u> </u>	2106:3307	- L	13	000	3		3		ļ	·- ¥		Port Washing Attn.: Sample	ton N.Y. 11050 Control
Phone		•	x 214	5.928 - 1780	Containers	Fa	({	ور	ंद	ata				15.4	Date Shipp	 .
Project Name	Vibrocore				ta	6	4	Elutriate	restednica	3					Carrier:	Cousia
Project Number	10400			<i>.</i>		4	+ `	+	Spa	1)	1			Air Bill #:	
P.O. #		···			- •	109	-17	一点	100	\$		}			Cooler #:	
	Table 2	Deli	verables	RLDDNCLF	of of	>		·		1			.6.		C of C #:	
Sampled By Lab ID	CORRYT	POTT			- S		I	3in#'s	In/O	ut (For	Lab U	se Onl	y)		SDG#:	
(Lab Use Only)	Sample ID (Maximum of 6	Date Time Sampled Sample	•	. Sample . Location									ļ		NEI QT #:	
	Characters)	11/ /	<i>,,</i>		1 19	1									C	mments
	AT4CO			r-4-95-C-0.C		_X_	X :	X				<u> </u>	<u> </u>			
2	AT4GG			T-4-95-G-0.0		X	×	X	×	-	 	 	 		.5	
P	17 7 6 6	18 6 11c	I PAI	<u>-4-95-C-5.1</u> -4-95-B-5.	0 1	┼^	 ^-	<u> </u>	x	 		.;			•	<u>. </u>
F	B 0 5 0 2	5/2h= 034	0 7	Blank 5/2/95	- 2			-	<u> </u>	X	_	 - ~	<u> </u>			
	1-1-1-1-1-	× 1.03	9 /24	:				_		1-44						·
	A	DAY								1.	K ,					٠,
	1	10CW						/:	7	Val						۲.
							`	//	V			}			L	١.
						<u> </u>	<u>\"</u>	17		A STATE OF THE PARTY OF THE PAR						
Relinquished by:	TPDAT	Dat	/ Time	Received by:	DEN/	V:			Date /	Time			************	**************	Jse'Onl	A0000000000000000000000000000000000000
Print Name:	y T. PLAIT	5/2/	2000	Print Name:	1000	,	2.		45	2000	lesses.	ody Seal		ntect .	llroke 7	
Relinquished by:	ADIEN/	127	/ Time	Received by	col				Date /	Time	1000000		l in Goo			Y N
	2 ADLEY JR.	7/3/4	3 12:13	Print Name	Tues	(}	3/3	15.7	Samp	de Temj	petadure	·	Deg	rces Celcius
Relinquished by:	DOG VK.		· / Time	Received by Laboratory !	1 646	1.6-		1	Date /			ECTE	ЭВҮ:			
Print Name;				Print Name:				 -	1		COI	MMEN	ITS:			
<u> </u>								1								
Special Instruction	ns :	<u> </u>			·		•									
•		·			<u>;· -</u>											

CLIENT RETAINS YELLOW COPY ONLY



"age#	:	of
-------	---	----

Client Name	Black & Veolch LL			ierce			Aı	aly	sis .	Requ	ıest	ed			Login#:	· · · · · · · · · · · · · · · · · · ·
Address	LOS WOLANTS	rice	<u> </u>	•											Ship to: Nytest Environme	
	Philorelopia.	PA	1910	10-3307		7									60 Scaview Blvd Port Washington l	
Project Manager	John Fillor				Containers	و در	100	- 9	-						Attn.: Sample Co	ntroi
Phone	215-928-0700	FAX	215	-928-1780	i.i	(0	ζş	01							Date Shipped:	~ .
Project Name	Vibracore so	a Di			ıta	1, 5)	of	,		•					ounier
Project Number	40400-001		<u> </u>	·	Į	द्र	4	3	~\f						Air Bill #:	
P.O. #		·	 			3	<u> </u>	3	5				'		Cooler#: —	
Analytical Protocol	7a66 2	Delive	rables	REDDNICLE	of.	>			l Q						CofC#:	
Sampled By	Corry T PIOIT	(\mathcal{I}	Class-	So.		E	3in#'s	In/O	ut (For	Lab U	se Onl	/)		SDG #:	
Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Suppled	Time Sampled		Sample											NEI QT #:	
	Characters)	Location	<u>L, </u>										` 	ment		
ſ	A T 3 C Ø 5/195	0832	<i>647-</i>	7-95-C-0.0	6	X	ᄷ	X			ļ				Un cross for	V MS/
P	A T 3 G & 5/1/25	083Z	PAT	-3-95-6-0.0	1				x							
P	11 T 3 C 5 5/1/05	0832	PAT	-3-95-C-5.5	3	×	X	X					·			
P		فتقاف	CAT	-3-95-G-5.5	1				12							
P		0832	PAT.	-3-95-C-6,25	3	X	አ	×	<u> </u>		1,	ļ				
ρ	1 7 3 6 6 5/1/95	0832	PAT	-3-95-6-6.25	1	ļ'			X			ļ		<u> </u>		·
ρ	11 7 2 1. 0 5/1/95	1218	PAT-	2-95-C-0,0	3	Y.	×	<u>x</u>	<u> </u>	<u> </u>		۳		<u>. </u>		
ρ	A T 2 G 0 5/1/95	1218	PAT.	7-95-G-0.0					X				<u> </u>			
م	AT20D5/1/25	1218	PAT-	-2-95-C-0.0-D	3	x	<u> </u>	x	<u> </u>	<u> </u>		<u> </u>				
P	NT20651195	1218	PAT-	2-95-C-6.8	12	X	X	x	<u> </u>	<u> </u>	<u> </u>					
Relinquished by:	2.74	Date /	Time	Received by:		1			Date /	Tlme				Lab	Use Only	
Drine Mantes	PLATT	74/2	1436	Print Name:	<i>a</i>		/,		5//	14.36	Custo	ody Seal	s; J	ntact	Broken	Ab
Relinquished by:		Received by:	مهم	مهجهمي	150		Date /	Time	Samp	de Rec'o	l in Goo	d Condi	tion?; Y	' N		
Print Name:		Print Name:							Samp	de Temp	ernture		Degrees	Celclus		
Relinquished by:	·	Date /	Time	Received by Laboratory:		· · · · · · · · ·	······································		Date /	Time	INST	ECTEL	: אַע			
Print Name:				Print Name:							CO	MMEN	ITS:			
		Li	l					l	l							
Special Instruction	ns :															
																

CLIENT RETAINS YELLOW COPY ONLY



Client Name	B	100						un		۰ ج	Science	·			A	nal	ysis	Req	uest	ed			Login #:	
Project Manager Phone 215-928-0700 FAX 215-928-1780 Project Name Project Number Sample Deliverables RLDD NCLP (Maximum of 6 Sample Sample Location Characters) Sample Location											80	No. of Containers	VOM Day TTB1 2	Th 2 cmg2.	#+. I'J	م المارة المارة	Out (Foi	:Eabst	se Onl	V)		Attn.: Sample Date Shipp	Blvd ston N.Y. 11050 Control Counter	
Lab ID	Lab ID Sample ID Sample											Z										NEI QT#:	mment	
	PATZG65/451218 PAT-2-95-G-6.											4.8	1				x						1	
	PATZC75195 1218 PAT-2-95-C-												2	N	X	יא						1		
	PA	T	2	C		5/1/	7				-2-95-G-		1				X							\
	PA	T	1	0	ø	5/1					1-95-C-		3						ļ	<u> </u>	<u> </u>	<u> </u>		
	PA	T	1	G	Ø		_				-1-95-G		1	_			K		<u> </u>	<u> </u>	ļ	<u> </u>		
	PN	T	1_	C	2	5/1/	95	1620	12	AT-	1=95-C-;	2.3 (4	<u>L</u>		ļ		_	<u> </u>	ļ	<u> </u>			
	PA	T	12	G	2	5/1	95	1620	P	<u> 47-</u>	1-95-G-	<i>2.3</i> `	1	<u> </u>		ļ	X			:,		<u> </u>	<u> </u>	- -
C)#	C-16	-6	7	C	10-	5/2					-7-95-cm					 	+	 	-				 	-6504
	CK	C	<u> </u>	G	Ø	+-/		1332	. 4	CRC.	-1-95-G-	-0.0	1	<u> </u>			X	_		-	<u> </u>			
	CR	C	1	G	3	5/1/	95	1332	<u> </u>	RC	-1-95-G	-3.5/	1_	<u> </u>	<u> </u>	<u> </u>	<u>(X</u>	<u> </u>						
Relinquished by:	Cad	<u> </u>						Date 5	1	me 36	Redeiled by	Bour	<u>م</u>	Su	,		イノシノ	Time		ody Sea		Lab	Use Onl שאסינו	
Print Name:	$\mathcal{I} \cdot \mathcal{I}$	PLA	177	-				157	1.		Print Name:	Thy	ma	وررب	h		1.7	<u> </u>	- 10000000					
Relinquished by:								Date	/ Thi	me	Received by:						Date	/ Time					ition7 :	
Print Name:	Print Name: Print Name:]		Sam	ple Tern	peratur	:	Deg	rres Celcius	
Relinquished by:	Relinquished by: Date / Time Received by Laboratory:										lory :				,.	Date	/ Time	INS	PECTE	אַע ט				
Print Name:	rint Name: Print Name:											•					1		CO	MME	VTS:_			
Special Instructions:																								
***************************************					• • • • • • • • • • • • • • • • • • • •		LIE	NTR	ETA	INS	YELLOW CO	PY ON	LY	, <u></u>	·····									



FAX: (516) 625-1274

1	.ge#:o
rd	ew 44.4 4
	Login #:
	Ship to:
	Nytest Environmental Inc. 60 Seaview Blvd
	Port Washington N.Y. 1105
	Attn.: Sample Control
	Date Shipped:
	Carrier: Courier
	Air Bill #: ~/ /A
	Cooler #:
	C of C #:
	SDG #:
	NEI QT #:
	Comment
	Marie Marie
	HOLD
	HOLD
	11010
	HOLD
	HOLD
abl	Jse Only
act	Broken Al
Couli	tion?: Y N
	Degrees Celclus
	Degres details

Client Name Black & Vastch Waste Sunce			Aı	aly	sis l	Requ	ieste	ed		Login #:
Address (21 Malaut Street Suite 705 Philadelphia PA 19106-3307 Project Manager Tohn Tayler Phone 215 928 0700 FAX 215 928 17, Project Name Vibracore Sampling Project Number (1550) 40600-001 P.O. #	Cont;	4 per Toble 2	Table 2 compounds.	Elutriate Prep.	eotechnical					Nytest Environmental Inc. 60 Seaview Blvd Port Washington N.Y. 110: Attn.: Sample Control Date Shipped: Carrier: Air Bill #: Cooler #:
Analytical Protocol Table 2 Deliverables PLADAIC	0.0 of	VOA			111/O	ut (For	18218111	se Only)		C of C #:
Sampled By Lab ID (Lab Use Only) Sample ID (Maximum of 6 Characters) Sampled Sampled Sampled Location			1	311#3	m/O	ue (FO)	LAU O	se Only)		NEI QT #:
							<u>ر</u> ٧	2		No. of Party of St.
CRC2C0 5/1/03 1351 CR-2-95-C	-0.0 4	X	х	Х	; X		-			HOLD
CRC2G05/1/251CRC-2-95-G CPC2G145/1/251CRC-2-95-C-	4.5 4	X	х	X						HOLD
CRC 7 G4 5/165 1351 CRC-2-95-G CRC 2 C 7 5/195 1351 CRC-2-95-C	-74 3	X_	x	Х	X_					11010
BST 1 C 2 7/1/5 0851 286- BST-1-95-6-	0.	X	χ_	Of.	X					HOLD
BST 1 C 3 4 34 1851 BST-1-95-C	7-3.0 3	X	x	X	X	<u> </u>				HOLD
Relinquished by: Date / Time Received by:	11/50	14	· 		Date /	2057	Samp		Intact Good Cota	Use Only Droken A
Print Name: COTT CADLE Date / Time Received by Labo	J. Tough	FioT	•		Jale Date	- 12:1	U2222	te Lempera ECTED D\		Degrees Gélchis
Print Name: Print Name:							CO	MENTS		
Special Instructions: All & moles with HOLD waite	alution	ama,	t.		lum	<i>م</i> عم	-			
CLIENT RETAINS YELLOW C	OFY ONLY	; , , , , , , , , , , , , , , , , , , ,	v-Li	(<u></u>	<u>م</u>				



FAX: (516) 625-1274

Chain of Custody Record

	Cl	ıai					 orderen deservice	e c o	rd	. age # : <u>2</u> of
	No. of Containers	Vod par Toble 2	Table 2 Congd.	Elutrist, Pap.	S Carterbayes.	VOA-Water	ed)		Login #: Ship to: Nytest Environmental Inc. 60 Seaview Blvd Port Washington N.Y. 11050 Attn.: Sample Control Date Shipped: Carrier: Carrier: Cooler #: Cooler #: SDG #: NEI QT #:
_	مسر									Comments
	5	Х	χ	χ	*					110LD Entre

Client Name		LX	QC.			OLL		25	10	5211	eoce.			A	naly	'sis	Req	uest	ed			Login #:
Project Manage: Phone Project Name Project Number P.O. # Analytical Proto	Name Number ACCO C SOMOLOG Number Talla 7 Deliverables RIDDACI d By Sample 1D Sample 1D Oliverables Sample Sample Sample												Vod par Toble?	Table 2. Co	1-1.14.00t. A.D.	1 1.75	VOR-Water					Ship to: Nytest Environmental Inc. 60 Seaview Blvd Port Washington N.Y. 11050 Attn.: Sample Control Date Shipped: Carrier: Air Bill #: Cooler #: C of C #: P/A
Sampled By Lab ID (Lab Use Only)		Sample ID (Maximum of 6 Characters) Sampled Sampled Sampled Location										No.			Bin#s	Inve	Out (Fo	Lab U	se On	y) 		SDG #: NEI QT #: Comment
	8 8 T	3 S T 1 C 5 4/2/05 0851						BS		1-95-0	-5.75 1-5.75	5 1 2	x	x	x	X	X					HOLD Edwi
Relinquished by: Date / Time Received by: Print Name: Relinquished by: Print Name:									Ri Ri	DLT	· · · · ·	712.	5/3/3 Date: 5/3/3	/ Time / Time / / Time / / Time	Sain, Sain, INS		d in Go peratur D DY:_	Intact od Cond e:	Use Only Broken Ab Broken Ab Degrees Celcius			
Special Instru	ction	s :_	2011	207 Li	<u>.</u> 	1. C.		4 V			x US	Acin		<u> ج</u> منظم	<u> </u>	1 (

CLIENT RETAINS YELLOW COPY ONLY



age	#	:	_	o	
-----	---	---	---	---	--

Client Name	B	100	K	₫	y/cy	olch	Ur	SIC	Science			Ar	aly	sis I	Requ	ieste	ed			Login #:	
Address Project Manager			10	7 A=	7/2	בנבלם ממל	P. P.S.	1 /4	7/0/2- 3507	ıers	able 3	px Tb13	7613	20 Th 3	mr Tb13	ex T613		20 T613		Nytest Environment 60 Seaview Blvd Port Washington N.' Attn.: Sample Contr Date Shipped:	Y. 1105
Phone Project Name Project Number P.O. #	4	13 20		XX ()		100 - So 101	<u>Am</u>	ling		of Containers	T YOU GET T	i Formaldohyde	BNA and	- 82 S3	- 9	. 12	ranide De			Carrier: Could hir Bill #: Cooler #:	
Analytical Protocol Sampled By Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters) Cocci T. Plott orm T. Clott Sampled Sampled Sampled Location										7	~	_	In/O				7)		C of C #: SDG #: NEI QT #:	
T	Saludistan (Saludis						1015	Try	e Blank	13 2 4 2	x	*		x .	>>	*		×		Comn	
Print Name: CISELY T PLATT Relinquished by: Print Name: Print Name: Print Name: Print Name:									Print Name: Received by: Print Name: Received by Laboratory:	Imain 1 pm ce	mane	lie sh		Date /	14:36 Time	Samp Samp INSP	le Temp ECTEL	s: Lin Goo serature DBY	intect d Condi	Use Only Broken Hon?: Y Degrees 0	
Special Instruction	ns :.			-		CLI	ENT R	ZTAINS	S YELLOW COPY O	NI.Y											



Sample ID

(Maximum of 6

Characters)

Client Name

Project Manager

Project Name

Sampled By LabID

(Lab Use Only)

Relinglished by:

Relinquished by:

CORRY T. Plat

Print Name:

Print Name:

Project Number

Analytical Protocol

Address

Phone

P.O. #

(516) 625-5500 FAX: (516) 625-1274

4/3/15 1351

Unlout Street

Block a Venico Unsie Science

0700 FAX 215-908-1780

Deliverables RLDDNCLP

Eluterate Propo

Sample

Location

Com. TDlatt

Chain of Custody Recor

Bin #'s In / Out (For Lab Use Only)

Date / Time

0100

Analysis Requested

of Containers

No.

Elytricte

	• ·· ··		
1 ₄₇ 1	Reco	ha	:ge#:of
лу л	Xecu) Lu	
ested			Login #:
			Ship to:
			Nytest Environmental Inc.
			60 Seaview Blvd
			Port Washington N.Y. 11050
			Attn.: Sample Control
	'		Date Shipped: Carrier:
			Air Bill #: N/M
			Cooler#: N/A
			CofC#: N/A
ab Use (Only)	<u> </u>	SDG#: N/A
			NEI QT #:
			Comments
			10
			is coolers provide
			to contain cat
			These codero
		 	and temperature
		<u> </u>	1 * * + 1 *
		ļ	these last tre
		ļ	to ke analyz
			TO WAY DOWN THE PERSON OF THE
			TOCHE
			Con 1 1: Viet
		l abi	Use Only
Custody		Intect	Broken Ab
Sample 1	tec'd in Goo	d Condi	tion?: Y N
Sample	(emperature	:	Degrees Celcius
COMN	ÆNTS:		

	, -		7 =	7, -	L
Relinquished by:	Date	/ Time	Received by Laboratory:	Date	/ Time
Print Name:			Print Name:		
Special Instructions: Use @ olut	zisti con	נייטן	ex as excelled to conduct Test	mo. Te	Co.
			labelled but use separated		
- som le TD entrices no p	explican	14.4X	Usp Contract Comple ID to	elek	
elutriate analysis so	rm both	E 1 1/11/17	IDS. Com	T. ILLE	U- 4/3

1108 Print Name

Print Name

Received by:

Date / Time



(516) 625-5500 Block & Veatch Waste

601 Walnut Street

Vibracore Samolina

Philadelphia

715 928 0700

40600.001

Table 3

Client Name

Project Manager

Project Name Project Number

Analytical Protocol

Address

Phone

P.O. #

FAX: (516) 625-1274 Science

Suite

19106-3307

FAX _215 928 1780

Deliverables RLDDNCLP

7.05

Chain of Custody Recor

Analysis Requested

	** ************************************
·d	age#: lof
	Login #:
 	Ship to:
	Nytest Environmental Inc.
	60 Scaview Blvd Port Washington N.Y. 11050
	Attn.: Sample Control
	Date Shipped:
	Carrier: Coursel
	Air Bill #:
	Cooler#: ~//A
	CofC#: N/A
	SDG#:
	NEI QT #:
	Comments
	·
	·
bΙ	Jse Only
ત	Broken Abs
	uoni: Y N
vilas	
	Degrees Gelclus

Sampled By			<u>Co.</u>	cry_	<u>T.</u>	<u>.</u> P	att 1	ion	1.13	Voite	2			3in#'s	In/C	ut (For	Lab'U	se Onl	y)		SDG#: _	<u>~//1</u>
Lab ID (Lab Use Only)		(N1	Sanıp İaxlını	um o	6 30		Date Sampled	Time Samples		Sample											NEI QT#:_	N/A
			hare							Location											-Co	mments
	R	1	V	Н	2	0	4/3/2	1557	Rive	r Water	17	X_	X	X	X	X	X	X	X			
	7	В	0	4	3	0	4/399	1530	Tain	Blank 4/30/95	2	X										
									1													•
						_				0.0												
										-N/I-HV												
							/	4		1200												
							7		1													
								0						 						1		
								1	1	· · · · · · · · · · · · · · · · · · ·	 	 		 		1	 		1			
					 			 			 	 				1	 	 	-	 		
Relinglished by:	. 1	Z=	<i>1.</i>	ــــــ	مرسا	1	<u> </u>	Date /	Time	Received by:	<u> </u>	1	I	. 1	Date .	/ Time			1	Tahi	Jse Only	
Print Name:								14/201	1630	Print Name:	-				434	४/:२८	Custo	ody Sea		Intact	Broken	
Relinquished by:	1.	-17	lat	<u> </u>				4		Received by:	6.44				_/3		100000000000000000000000000000000000000				lon?:	
								Date /	Time						Date	/ Time						
Print Name;					,					Print Name:				ĺ		,					Degr	ces Gelcius
Relinquished by:								Date	Time	Received by Laboratory:					Date	/ Time	INSE	ECTE	D BY:			
Print Name:			·					1.		Print Name:							CO	VIME	VTS:			
								اـــــا		1		 				<u> </u>	┨					
Special Instru	pecial Instructions:												•									
•														•.								
	CHENT PETAINS VELLOW CORV ONLY																					
	CLIENT RETAINS YELLOW COPY ONLY												L									

of Containers

VOA



Black & Youkh Whale Science

(516) 625-5500

Sample ID

(Maximum of 6

Characters)

Client Name

Project Manager

Project Name Project Number

Sampled By

(Lab Use Only)

Relinguished by:

Relinquished by:

Relinquished by:

Print Name:

Print Name:

Print Name:

Analytical Protocol

Address

Phone

P.O. #

FAX: (516) 625-1274

Deliverables RLDDNCLP

Sample

Location

Chain of Custody Record

Bin#'s In/Out (For Lab Use Only)

Date / Time

Date / Time

Date / Time

Custody Seals:

Sample Rec'd in Good

Sample Temperature:

INSPECTED BY:

COMMENTS:

Analysis Requested

of Containers

So.

rd	nge # :
	Login #:
	Ship to:
	Nytest Environmental Inc. 60 Seaview Blvd Port Washington N.Y. 1105 Attn.: Sample Control
	Date Shipped: 4/30
	Carrier Cousie
	Air Bill#: ~/n
	Cooler#: N/A
	Cosc#: N/A
	SDG#: ~//1
	NEI QT #;
	Comment
	• •
-	Deliano de disente la companyone de la c
-	
abi	Use Only
Lact	Broken Ali
Cond	don?: Y N
	Degrees Celcius

Special Instructions:

Date / Time

Date / Time

Time

Date /

Received by:

Print Name:

Received by:

Print Name:

Print Name:

Received by Laboratory:

Appendix D
Results of Bulk Sediment Analyses, Results of Elutriate and River
Water Analyses, and Blank Analytical Results

Sample ID: BPO-1-95-C-0.0 Lab ID: BPO1C0 Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result up/kg DW	Bulk Sediment Criteria ng/kg
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days Accione	- -	5/9/95	210	 	100,000
Acrolein			2100		NA.
Acylonitrile Benzere			210U 21U	 	1,000
Bromodichloromethane Bromoform			210		1,000
Bromomethane		 	210	 	1.000
2-Butanone (MEK) Carbon Tetrachloride			21U 21U		50,000
2-Chloroethylvinylether			210		NA .
Chlorobenzene Chloroethane			210		1,000 NA
Chloroform			210		1,000
Chloromethane 1,2-Dichloropropane			21U 21U		10,000
1,1-Dichloroethane 1,2-Dichloroethane			210		10,000
1,1-Dichloroethene			210		1,000 8,000
Dibromochloromethane 1.2-trans Dichloroethylene			210		1,000
1,2-cis Dichloroethene	 		210		30,000 1,000
cis-1,3-Dichloropropene			210		1,000
trans-1,3-Dichloropropene Ethylbenzene			21U 21U		1,000
2-Hexanone 4-Methyl-2-Pentanone (MIBK)			210		NA.
Methylene Chloride			21U 21U	רוו	50,000 1,000
Styrene Tetrachloroethylene			21U 21U		23,000 1,000
,1,2,2-Tetrachlorocthane			210		1.000
Toluene 1,1,1-Trichloroethane			21U 21U		500,000 50,000
1,1,2-Trichloroethane			210		1,000
Irichloroethene (TCE) Vinyl Chloride			21U 21U		1,000 2,000
(ylenes (Total)			210		10,000
,1,1,2-Tetrachloroethane			210		1,000
SEMIVOLATILE ORGANICS (SW846 8270):	1				
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/21/95	71077		50.000
is(2-chlorocthyl)ether	 		710U 710U		50,000
-Chlorophenol 3-Dichlorobenzene			710U 710U		10,000 100,000
,4-Dichlorobenzene			7100		100,000
,2-Dichlerobenzene -Methylphenol	+		710U 710U		50,000 2,800,000
is(2-chloroisopropyl)ether			7100		10,000
-Methylphenol I-Nitroso-di-n-propylamine	 		710U 710U	80 J	2,800,000 660
exachloroethane			7100		6,000
litrobenzene cophorone	 		710U 710U		10,000
-Nitrophenol					50 (88)
A-Dimethylphenol	 		7100		30,000 NA
4-Dichlorophenol			7100		NA NA
4-Dichlorophenol 2,4-Trichlorobenzene			710U 710U 710U		NA NA 10,000 68,000
4-Dichlorophenol 2,4-Trichlorobenzene aphthalene			710U 710U 710U 710U 710U		NA NA 10,000 68,000 100,000
4-Dichlorophenol 2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene			7100 7100 7100 7100 7100 7100		NA NA 10,000 68,000 100,000 230,000 1,000
4-Dichloropherol 2,4-Trichloroberzzne 2,4-Trichloroberzzne aphthalene Chloroaniline exachlorobutadiene sci2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			710U 710U 710U 710U 710U 710U		NA NA 10,000 68,000 100,000 230,000 1,000 NA
4-Dichlorophenol 2,4-Trichlorobenzene aphthalene Chloroeniline exachlorobutadiene si 2-Chloroethoxy methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocycloportadiene			7100 7100 7100 7100 7100 7100 7100 7100		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 4,5-Trichlorophenol			710U 710U 710U 710U 710U 710U 710U 710U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000
4-Dichlorophenol 2,4-Trichlorobenzene aphthalene Chloroeniline exachlorobutadiene si 2-Chloroethoxy methane Chloro-methy phenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloromaphthalene			7100 7100 7100 7100 7100 7100 7100 7100		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 50,000 NA
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Chloro-In-cresol 2,4-Chloro-In-cresol 2,4-Trichlorophenol 4,5-Trichlorophenol 2,5-Trichlorophenol 2,5-Trichlorophenol 3,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 2,5-Trichlorophenol 3,5-Trichlorophenol 3,5-Trichlorophenol 4,5-Trichlorophenol			710U 710U 710U 710U 710U 710U 710U 710U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 \$0,000 NA \$50,000
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol Chloroaniline exachlorophtadiene (3'-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate exachlitylene 6-Dinitrotoluene			7100 7100 7100 7100 7100 7100 7100 7100		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 10,000 NA 50,000 NA 50,000 44 1,000
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol caschlorobutadiene st/2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) caschlorocyclopatisdiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphithalene imethyl phthalate consphitylene 6-Dinitrololuene benaphithene 4-Dinitrophenol			710U 710U 710U 710U 710U 710U 710U 710U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 NA 50,000 NA
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,1-Trichlorophenol 4,5-Trichlorophenol 2,5-Trichlorophenol 2,5-Trichlorophenol 2,5-Trichlorophenol 2,5-Trichlorophenol 2,5-Trichlorophenol 2,5-Trichlorophenol 2,5-Trichlorophenol 2,5-Trichlorophenol 2,5-Trichlorophenol 3,5-Trichlorophenol 3,5-Trich			710U 710U 710U 710U 710U 710U 710U 710U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 50,000 44 1,000 16
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol exachlorobutadiene sty-Chloroethoxy methane (Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphihalene imethylphihalate exaphthylene 6-Dinitrophenol hitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Holmitrotoluene ethylphihalate			710U 710U 710U 710U 710U 710U 710U 710U		NA NA 10,000 68,000 100,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 50,000 44 1,000 16 10,000 NA
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,1-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloroaphithalene methyl pithalate emaphithylene 5-Dinitrolluene exapphithene 4-Dinitrophenol Nitrophenol Nitrophenol Nitrophenol -Dinitrophenol			7100 7100 7100 7100 7100 7100 7100 7100		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 10,000 NA 50,000 44 1,000 16 10,000 NA 1,000 NA
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol exachlorobutadiene sty-Chloroethoxy,methane (Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphihalene imethylphihalate exaphthylene 4-Dinitrophenol Nitrophenol Nitrophenol Nitrophenol H-Dinitrophenol Vilintrophenol L-Dinitrophenol H-Dinitrophenol Chlorophenol Nitrophenol Sitrophenol H-Dinitrophenol Sitrophenol H-Dinitrotoluene ethylphihalate Chlorophenyl-phenylether Unitrophenol Sitrophenol Sitroph			7100 7100 7100 7100 7100 7100 7100 7100		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 80,000 NA 50,000 14 1,000 16 10,000 16 10,000 16
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 3,2-Chlorochtoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) crachlorocyclopentadiene 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene methyl phthalate cenaphthylene 5-Dinitrololuene cenaphthicne 4-Dinitrophenol Nitrophenol Linitrophenol Li			7100 7100 7100 7100 7100 7100 7100 7100		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 18 18 NA 1,000 NA
4-Dichlorophenol 2,4-Inchlorophenol 2,4-Inchlorophenol 2,4-Inchlorophenol exachlorophenol 6,1-Chlorophenol 6,5-Inchlorophenol 7,5-Inchlorophenol 8,5-Inchlorophenol 8			7100 7100 7100 7100 7100 7100 7100 7100		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 50,000 NA 50,000 16 10,000 10,000 NA 1,000 16 10,000 NA
4-Dichlorophenol 2,4-Irichlorobenzene aphithalme Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,5-Irichlorophenol 4,5-Irichlorophenol Chloroaphithalene methyl phthalate exaphithylene 5-Dinitrolouene exaphithene 1-Dinitrophenol Nitrophenol Nitrophenol Dinitrolouene extryphthalate Chlorophenyl-phenylether sorene Dinitro-2-methylphenol Nitrosodiphenyl-phenylether sorene Stornophenyl-phenylether sorene Stornophenyl-phenylether sorene Stornophenyl-phenylether stachlorobenzene stachlorobenzene			7100 7100 7100 7100 7100 7100 7100 7100		NA NA NA NA NA NA NA NA NA NA NA NA NA N
4-Dictlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol exachloroputadiene st2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene methylphthalate emaphthylene 5-Dinitrotoluene exaphthene 4-Dinitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Silviphthalate Chlorophenyl-phenylether sorene 5-Dinitro-2-methylphenol Nitrosodiphenylamine 8-Dinitrodoune explithene 1-Dinitrophenol Nitrosodiphenylamine 8-Dinitrodoune explithene 1-Dinitrophenol Nitrosodiphenylamine 8-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether zachlorophenyl-phenylether zachlorophenol emanthrene starchlorophenol emanthrene starchlorophenol emanthrene starchlorophenol emanthrene starchlorophenol emanthrene			7100 7100 7100 7100 7100 7100 7100 7100	150 J	NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 50,000 NA 1,000 16 10,000 16 10,000 NA 1,000 16 10,000 NA 1,000 10,000 NA 1,000 16 10,000 NA 1,0
4-Dictlorophenol 2,4-Tirchlorophenol 2,4-Tirchlorophenol 2,4-Tirchlorophenol exachlorophenol e			7100 7100 7100 7100 7100 7100 7100 7100	160 J	NA NA NA NA NA NA NA NA NA NA NA NA NA N
A-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol Chloroaniline exachlorobutadiene si 2-Chlorothoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl pithalate exasphitylene 6-Dinitrotoluene exasphityene 4-Dinitrotoluene exasphitoeue 4-Dinitrotoluene extrylphthalate Chlorophenol Nitrophenol Nitrophenol Nitrotoluene esthylphthalate Chlorophenyl-phenylether iuorne 5-Dinitro-2-methylphenol Nitrosdiphenylamine Bromophenyl-phenylether zaschloroberzene mitschlorophenol exastirene diracene -b-utylphthalate iuranitene diracene -b-utylphthalate iuranitene diracene -b-utylphthalate iuranitene			7100 7100 7100 7100 7100 7100 7100 7100		NA NA 10,000 68,000 100,000 230,000 1,000 10,000 100,000 100,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 NA NA 1,000 NA NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol caschlorobutadiene st 2-Chloroaniline caschlorobutadiene st 2-Chloroaniline caschlorocyclopoutadiene st 6-Trichlorophenol d,5-Trichlorophenol chloroaphithalene imethyl phithalate consphitylene 6-Dinitrooluene consphithene 4-Dinitrooluene consphithalene improphenol Nitrophenol Nitrophenol -Dinitrotoluene citylphithalate Chlorophenyl-phenylether uorene 5-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene Bromophenyl-phenylether uorene Bromophenyl-phenylether uorene strachlorophenol caschlorophenol			7100 7100 7100 7100 7100 7100 7100 7100	160 J 230 J	NA NA NA NA NA NA NA NA NA NA NA NA NA N
4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol Chloro-Innethylphenol (p-chloro-m-cresol) crachlorocyclopentadiene 4,5-Trichlorophenol 4,5-Trichlorophenol Chlorosphithalene imethyl phthalate censphithylene 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitro-2-methylphenol Nitroscoliphenyl-phenylether uorne 5-Dinitro-2-methylphenol Nitroscoliphenyl-phenylether uorne 8-Dinitro-2-methylphenol			7100 7100 7100 7100 7100 7100 7100 7100	160 J 230 J 260 J	NA NA NA NA NA NA NA NA NA NA NA NA NA N
4-Dictlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 3,2-Chloroethoxy,methane Chloro-3-methylphenol (p-chloro-m-cresol) czachlorocyclopentadiene 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphithalene imethyl phithalate cenaphithylene 5-Dinitrololuene exaphithylene 1-Dinitrololuene exhiphithalate Chlorophenol Nitrophenol 1-Dinitrotoluene ethylphithalate Chlorophenyl-phenylether sorene 5-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether sorene 8-romophenyl-phenylether sachlorophenol maintirene thracene en-butylphithalate ioranithene en-butylphithalate ioranithene en-butylphithalate ioranithene en-butylphithalate ioranithene en-butylphithalate ioranithene en-butylphithalate ioranithene en-butylphithalate			7100 7100 7100 7100 7100 7100 7100 7100	160 J 230 J	NA NA NA NA NA NA NA NA NA NA NA NA NA N

:

:

Appropriate Comments

Sample ID: BPO-1-95-C-0.0	'' 	1			
Lab ID: BPO1C0			Method Detection	1	Bulk Sediment
Sampling Date: 5/2/95	1	i	Limit	Result	Criteria
	Date Extracted	Date Analyzed	ug/kg DW	ug/kg DW	ng/kg
Senzo(b) iluoranthene			7100	140 J	900
enzo(k)llucranthene			7100	160 J	900 230
Загдо(в)ругане (BaP)		 	7100	130 J	900
ndeno(1,2,3-cd)pyrene			710U 710U		31
Dibenz(a,h)anthracene			7100	 	NA NA
Benzo(g,h_l)perylene V-nitrosodimethylamine			71000	 	NA NA
Benzidine		 	71000		NA
2-Diphenylhydrazine		 	71000	 	NA
Benzyl Alcohol			710U		50,000
PESTICIDES/PCBS (SW846 8080):				i i	
	05/08/95	05/24/95	İ		
Holding time: 14 days to extract, 40 days to analyze	03/08/93	03/24/93	340	 	NA
eta-BHC		 	340	 	NA
elta-BHC		 	340	† †	NA
amma-BHC (Lindane)	-	 	340		520
eptachlor		 	340		150
ldrin .	1	i	34U		40
leptachlor Epoxide		1	340		NA
ndosulfan i		 	340		50,000
Dieldrin		<u> </u>	68U		11
A'-DDB]	680	49]	2,000
ndrin			680	<u> </u>	42
ndosulfan II			68U	ļ	50,000
4'-DDD (p,p'-TDE)		<u> </u>	680	 	3,000
ndosulfan Sulfate		ļ	680		30,000
4'-DDT		ļ	680		2,000 50,000
(ethoxychlor			3400		
ndrin Ketone		ļ. ———	680	 	NA NA
ndrin Aldebyde		 	68U 34U	 	NA NA
pha-Chlordane			340		NA NA
amma-Chlordane			680		NA NA
firex oxaphene		 	680U		100
roclor-1016			3400	 	29
roclor-1221			340U		29
roclor-1232			340U		29
roclor-1242 .			3400		29
roclor-1248	- 		340U		29
roclor-1254			340U		29
roclor-1260			340U		29
NORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95		1	
(olding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
ntimony	1			1,500 BN	14,000
rscnic				14,800 N	8,000
arium				130,000	700,000
ryllium			400		1,000
draium				1,200	1,000
romium				63,700	33,000
рра		ļ		48,900 Will 1	28,000
ad	- Leane	1 2 2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	·	330	21,000
zcury	13/22/93, 5/23/95	5/22/95, 5/24/95		31,000	20,900
ckel	 	 		1,200	63,000
lenium			· · · · · · · · · · · · · · · · · · ·	1,200 BN	300
ver		-		2,200 BN	2,000
allium nadium		-		56,500	370,000
nsalum nc	 	<u> </u>		254,000	68,000
-	 				
ORGANICS - OTHER (Results in me/ke DW):					
tal Organic Carbon (LOI)	 	5/19/05 SP2/05	····	71,064	NA
vanide	 	5/19/95, 5/23/95 5/13/95, 5/16/95	0.50		1,100
oisture, in Percent	 			53.00	NA
	1				
RAIN SIZE:					
sults in % Recovery	1	5/26/95, 5/27/95		l l	
eve #4	†			0.0	
eve #10	 			0.0	
sve #40				3.3	
eve #200				8.7	
sults in Relative %					
				75.6	
у				12.4	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on dibuted sample

N - Spiked sample recovery not within control limits

NR - Not required

			Method Detection		Bulk Sediment
Sample ID: BPO-1-95-C-6.2 Lab ID: BPO1C6 Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Limit ug/kg DW	Result vg/kg DW	Criteria ug/kg
YOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days		5/9/95			100,000
Acrolem			12U 120U		NA
Acrylonitrile			120U		1,000
Benzene			120		1,000
Bromodichloromethane Bromoform		 	120		1,000
Bromomethane			120		1,000 50,000
2-Busmone (MEK) Carbon Tetrachloride			120		1,000
2-Chloroethylvinylether			120		NA.
Chlorosethane Chlorosethane			120		1,000 NA
Chloroform			12U		1,000
Chloromethane 1,2-Dichloropropane			12U 12U		10,000 10,000
1.1-Dichloroethane			120		10,000
1,2-Dichloroethane		·	120		1,000 8,000
1,1-Dichloroethene Dibromochloromethane			120		1,000
1.2-trans Dichloroethylene			120		50,000
1,2-cis Dichloroschene cis-1,3-Dichloroscopene			12U 12U		1,000
trans-1,3-Dichloropropene			120		1,000
Ethylbenzene 2-Heranome			12U 12U		100,000 NA
2-Heranone 4-Methyl-2-Pentanone (MIBK)			120		50,000
Methylene Chloride			12U 12U	63	1,000 23,000
Styrene Tetrachloroethylene			120		1,000
1,1,2,2-Tetrachloroethane			120		1,000
Toluene 1,1,1-Trichloroethane			120		500,000 50,000
1,1,2-Trichlorochane			120		1,000
Trichloroethene (TCE)			12U 12U		1,000 2,000
Virryl Chloride Xylenes (Total)			120		10,000
1,1,1,2-Tetrachloroethane			12U		1,000
		ļ			
SEMIVOLATILE ORGANICS (SW846 8270);					
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/25/95			
Photol			390U		50,000
bis(2-chlorocthyl)ether			390U 390U		10,000
2-Chlorophenol 1.3-Dichlorobenzene			390U		100,000
1,4-Dichlorobenzene			3900		100,000 50,000
I,2-Dichlorobenzene 2-Methylphenol			390U 390U		2,800,000
pis(2-chloroisopropyl)ether			390U		10,000
i-Metrylphenol_			390U 390U		2,800,000 660
N-Nitroso-di-n-propylamine Hexachloroethane			390U		6,000
Vitrobenzene			390U 390U		10,000 50,000
sophorone I-Nitrophenol			390U		NA NA
2,4-Dimethylphenol			390U		NA 10,000
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			390U 390U		68,000
Vanhthalene					
			390U		100,000
I-Chlorosniline			390U		100,000 230,000
l-Chloroaniline Hexachlorobuzadiene pis(2-Chloroethoxy)methane			390U 390U 390U		100,000 230,000 1,000 NA
l-Chloroaniline czachlorobutadiene isi(2-Chloroethoxy)methane -Chloro-3-methylphonol (p-chloro-m-cresol)			390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000
l-Chloroaniline Hexachlorobuzadiene pis(2-Chloroethoxy)methane			390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000
-Chloroaniline czachlorobuzadiene isig(2-Chloroethoxy methane -Chloro-3-methylphenol (p-chloro-m-cresol) czachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol			390U 390U 390U 390U 390U 390U 390U 2000U		100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000
-Chloroaniline Exachlorobutadiene isig 2-Chloroethoxy methane -Chloro-3-methylphonol (p-chloro-m-cresol) Iexachlorocyclopentadiene 4,6-Trichlorophonol 4,5-Trichlorophonol 4-Chloronaphthalene			390U 390U 390U 390U 390U 390U 2000U 390U		100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000 NA
-Chloroaniline -Crachlorobusadiene isi(2-Culoroethoxy methane -Chloro-3-methylphenol (p-chloro-m-cresol) -Crachlorocyclopentadiene -2, 6-Trichlorophenol 4,5-Trichlorophenol -Chloroaphthalene -Chloroaphthalene			390U 390U 390U 390U 390U 390U 2000U 390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000 NA 50,000
I-Chloroaniline Iczachlorobutadiene jici(2-Chloroethoxy)methane I-Chloro-3-methylphenol (p-chloro-m-cresol) Iczachlorocyclopentadiene I.4,6-Trichlorophenol I.4,5-Trichlorophenol I-Chloronaphthalene Iimethyl phihalate Icenaphthylene I,6-Dinitrotohene			390U 390U 390U 390U 390U 390U 2000U 390U 390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000 NA 50,000 NA 50,000 44 1,000
-Chloroaniline Exachlorobutadiene isig(2-Chloroethoxy methane Chloro-3-methylphenol (p-chloro-m-cresol) Exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloroaphthalene Dimethyl phihalate Comphitylene 5-Dimitrotoluene Comphitylene			390U 390U 390U 390U 390U 390U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16
-Chloroaniline Cashlorobutadiene Cashlorobutadiene Caloro-Imethylphenol (p-chloro-m-cresol) Easthlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene Camphityl phihalate Camphityl principlene 5-Dinitrotoluene 6-Dinitrophenol A-Dinitrophenol A-Dinitrophenol Chloronaphthalene Camphitylene		390U 380U 390U 390U 390U 390U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 50,000 NA 50,000 44 1,000 16 10,000 NA	
-Chloroaniline Cashlorobutatione Cashlorobutatione Cashlorobutatione Chloro-3-methylphonol (p-chloro-m-cresol) Cashlorocyclopentatione 4,6-Trichlorophonol 4,5-Trichlorophonol Chloronaphthalene Chlorohaphthalene Chlorobutatione Chlorotohucoe Chlorotohucoe Chlorophonol Chlorotohucoe Chlorotohuc			390U 390U 390U 390U 390U 390U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000 NA 50,000 44 1,000
-Chloroaniline -Caschlorobusatione - Chloro-3-methylphenol (p-chloro-m-cresol) - Chloro-3-methylphenol (p-chloro-m-cresol) - Caschlorocyclopentadiene - (4,6-Trichlorophenol - (4,5-Trichlorophenol - Chloroaphthalene - Chloroaphthalene - Chloroaphthalene - (5-Dinitrotohuene - (5-Dinitrotohuene - (4-Dinitrotohuene - (4-Dinitrotohuene - (4-Dinitrotohuene - (4-Dinitrotohuene - (5-Dinitrotohuene - (5-Dinitrot			390U 380U 390U 390U 390U 390U 2000U 390U 390U 390U 390U 2000U 2000U 2000U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 NA 1,000 NA
-Chloroaniline Cashlorobusatione Cashlorobusatione Cashlorobusatione Caloro-Imethylphonol (p-chloro-m-cresol) Cashlorocyclopentadiene 4,6-Trichlorophonol 4,5-Trichlorophonol 4,5-Trichlorophonol Chloronaphthalene Camphityl phthalate Comphityl phthalate Camphityl phthalate Camphithylene 5-Dinitrotoluce Camphithylene 4-Dinitrotoluce 4-Dinitrophonol 4-Dinitrotoluce 4-Dinitrotoluce 5-Dinitrotoluce 6-Dinitrotoluce 7-Dinitrotoluce 7-Dinitrotoluce 7-Dinitrotoluce 7-Dinitrotoluce 7-Dinitrotoluce 8-Dinitrotoluce 8-Dinitrotoluce 8-Dinitrotoluce 9-Dinitrotoluce 9-Din			390U 390U 390U 390U 390U 390U 2000U 390U 390U 390U 300U 2000U 2000U 2000U 390U 390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA
-Chloroaniline Caschlorobutadiene Caschlorobutadiene Chloro-3-methylphenol (p-chloro-m-cresol) Caschlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene Dimethyl phthalate Compatitylene Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenol Chlorophenyl-phenylether Chlorophenyl-			390U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000 100,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000
-Chloroaniline lexachlorobutadiene isit/2-Chloroethoxy/methane -Chloro-3-methylphenol (p-chloro-m-cresol) lexachlorocyclopentadiene .4,6-Trichlorophenol .4,5-Trichlorophenol .4,5-TrichlorophenolChloronaphthalene imethyl phthalate Accusabithylene .6-Dinitrotoluene censphihene .4-DinitrophenolNitrophenolNitrophenolPinitrotoluene inethylphthalateChlorophenyl-phenylether luorene .6-Dinitro-2-methylphenolNitrosodiphenyl-phenyletherBromophenyl-phenylether			390U 380U 390U 390U 390U 390U 390U 390U 390U 39		100,000 230,000 1,000 1,000 NA 100,000 10,000 10,000 NA 50,000 NA 50,000 16 10,000 NA 1,000 18 18 NA 100,000 NA
-Chloroaniline Caschlorobutadiene Caschlorobutadiene Chloro-3-methylphenol (p-chloro-m-cresol) Caschlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene Dimethyl phthalate Compatitylene Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenyl-phenylether Chlorophenyl-phenylether Caschlorobenzene Caschlo			390U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 NA 100,000 100,000 100,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000
-Chloroaniline Caschlorobutadiene Caschlorobutadiene Caschlorobutadiene Caloro-3-methylphenol (p-chloro-m-cresol) Eastehlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Caraphthyl phthalate Cornaphthyl phthalate Cornaphthyl per Caraphthyl per Caraphthyl phthalate Caraphthyl phthalate Caraphthyl phenol Nitrophenol A-Dinitrotoluene Chlorophenol A-Dinitrotoluene Chlorophenol Chlorophenol Nitrosodiphenol Nitrosodiphenylathere Caschlorobenzene Caschlorobenzene Caschlorobenzene Caschlorophenol Caschloro			390U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 50,000 16 10,000 NA 1,000 50,000 NA 1,000 NA 1,000 50,000 NA 1,000 50,000 NA 18 NA 100,000 NA 18 NA 100,000 NA
-Chloroaniline Cashlorobutadiene Cashlorobutadiene Chloro-3-methylphenol (p-chloro-m-cresol) Cashlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 5-Trichlorophenol 6-Chloroaphthalene 1			390U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 1,000 NA 100,000 100,000 100,000 NA 50,000 16 10,000 16 10,000 NA 1,000 50,000 NA 1,000 50,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA
-Chloroaniline Caschlorobutadiene Caschlorobutadiene Chloro-3-methylphenol (p-chloro-m-cresol) Easthlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 5-Dinirotohene 6-Dinirotohene 6-Dinirotohene 6-Dinirotohene 7-Dinirotohene 8-Dinirotohene 9-Dinirotohene 1,6-Dinirotohene 1,6-Dinirotohe			390U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 1,000 NA 100,000 100,000 10,000 NA 50,000 16 10,000 16 10,000 NA 1,000 50,000 NA 1,000 NA 1,000 50,000 NA 18 NA 100,000 NA 185 100,000
-Chloroaniline Caschlorobutadiene Chloro-Inctiviphenol (p-chloro-Inctiviphenol (p-chloro-Inctiviphenol (p-chloro-Inctiviphenol (p-chloro-Inctiviphenol (p-chloro-Inctiviphenol (p-chloro-Inctiviphenol (p-chloro-Inctiviphenol (p-chlorophenol (p-chloroph			390U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 1,000 NA 100,000 100,000 100,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 1,000 50,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 1885 100,000 NA 85
-Chloroaniline Caschlorobutadiene Caschlorobutadiene Chloro-3-methylphenol (p-chloro-m-cresol) Caschlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 5-Dinirotoluene 6-Dinirotoluene 6-Dinirotoluene 6-Dinirotoluene 7-Dinirotoluene 8-Dinirotoluene 9-Dinirotoluene 10-Dinirotoluene 10-Dini			390U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 1,000 NA 100,000 100,000 100,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 100,000 NA 85 100,000 NA 85 100,000 NA
-Chloroaniline -Caschlorobusatione - Chloro-3-methylphenol (p-chloro-m-cresol) - Chloro-3-methylphenol (p-chloro-m-cresol) - Caschlorocyclopentadiene - (4,6-Trichlorophenol - (4,5-Trichlorophenol - Chloroaphthalene - Chloroaphthalene - Chloroaphthalene - Chloroaphthalene - (5-Dinitrotohuene - (6-Dinitrotohuene - (7-Dinitrotohuene - (8-Dinitrotohuene - (8-Dinitro-2-methylphenol - Nitrosoliphenylamine - Bromophenyl-phenylather - (8-caschlorobenylamine - Bromophenyl-phenylather - (8-caschlorobenzene - (8-caschlorobenz			390U 390U 390U 390U 390U 390U 390U 390U		100,000 230,000 1,000 1,000 NA 100,000 100,000 10,000 NA 50,000 16 10,000 16 10,000 NA 1,000 16 10,000 NA 1,000 NA 1,000 S0,000 NA 1,000 S0,000 NA 1,000 S0,000 NA 1,000 S0,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 18 NA 100,000 NA 18 19 NA 100,000 NA 100,0
-Chloroaniline Caschlorobutadiene Caschlorobutadiene Chloro-3-methylphenol (p-chloro-m-cresol) Easthlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 5,5-Trichlorophenol 5,5-Trichlorophenol 5,5-Trichlorophenol 5,5-Trichlorophenol 6,5-Trichlorophenol 6,5-Trichlorophenol 6,5-Trichlorophenol 6,5-Trichlorophenol 7,5-Trichlorophenol 7,5-Trichlorophenol 8,5-Trichlorophenol 9,5-Trichlorophenol 9,5-Trich			390U 390U 390U 390U 390U 390U 390U 390U	480	100,000 230,000 1,000 1,000 NA 100,000 100,000 10,000 NA 50,000 16 10,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000

. 3.5-.

Sample ID: BPO-1-95-C-6.2 Lab ID: BPO1C6 Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW 390U	Result ng/kg DW	Bulk Sediment Criteria ug/kg
Benzo(b) Il uoranzi iene			3900		900
Berzo(k)fluoranthene Benzo(a)pyrene (BaP)			390U		230
Indeno(1,2,3-ed)pyrene			390U		900
Dibenz(a,h)anthracene			390U		31
Berzo(g,h,i)perylene			390U		NA
N-nitrosodimethylamine			39000		NA NA
Bazidine			3900U		NA NA
1,2-Diphenylhydrazine			3900U		NA 50,000
Berzyl Alcohol			390U		30,000
PESTICIDES/PCBS (SW846 8080):					
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/14/95			
alpha-BHC		ļ	90		NA NA
bcta-BHC			90		NA NA
delta-BHC			90		520
gamma-BHC (Lindane)			90		150
Heptschlor .		 	- ýŭ		40
Aldrin Heptschlor Epoxide		 	90		NA
Endosulfan I			90		.50,000
Dieldrin		l	19U		il
4,4'-DDB		I	19U		2,000
Endrin			19U		42
Endosulfan II			19U		50,000
4,4'-DDD (p,p'-TDE)		L	190	<u> </u>	3,000 50,000
Endosulfan Sulfate			190		2,000
4,4'-DDT		ļ	19U 94U		50,000
Methoxychlor	-	· · · · ·	190		NA.
Endrin Ketone Endrin Aldehyde			190		NA NA
alpha-Chlordane			90		NA
gamma-Chlordane			90		NA
Mirex	- 		19 U		NA
Toxaphene			1900		100
Aroclor-1016			94U		29
Aroclar-1221			94U		29
Aroclor-1232			940		29
Aroclor-1242			94U		29
Aroclor-1248			94U		29
Aroclor-1254			94U		29 29
Aroclor-1260			94U		
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg		570 BN	14,000
Antimony				370 BN	8,000
Arsenic				98,200	700,000
Barium			200	70,400	1,000
Beryllium Cadmium				50 B	1,000
Chromium		 		26,200	33,000
Соррег				11,800	28,000
cad				6,800	21,000
Mercury	5/22/95, 5/23/95	5/22/95, 5/24/95	1200		100
Nickel				18,900	20,900
Selenium			240U		63,000
Silver				150 BN	500
Phallium				790 B 29,200	2,000 370,000
Vanadium:				42,100	68,000
Cinc				72,100	20,000
					
NORGANICS - OTHER (Results in mg/kg DW):		5/19/95, 5/23/95		2,412	NA
Total Organic Carbon (LOI) Syanide	 	5/13/95, 5/16/95	0.50	-17.00	1,100
Voisture, in Percent				15.00	NA_
FRAIN SIZE:					
Results in % Recovery		5/26/95, 5/27/95		. 1	
ieve #4	-			2.5	
ileve #10				8.9	
sieve #40				_ 21.0	
ieve #200				34.1	
Results in Relative %					
ilt				21.6	
lay				12.0	
		. ,	l l	i	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: BPO-2-95-C-0.0 Lab ID: BPO2C0 Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
YOLATILE ORGANICS (SW846 8740):					
Holding time: 14 days	 	5/9/95	220	 	100,000
Acrolein Acrylonitrile			220U 220U		1,000
Bazene			22U	ļ	1.000
Bromodichloromethane Bromoform			22U 22U		1,000
Bromomethane			220	 	1,000
2-Butanone (MEK) Carbon Tetrachloride			22U 22U		50,000 1,000
2-Chloroethylvinylether			220	 	NA.
Chlorobenzene Chloroethane			220	 	1,000
Chloroform			22U 22U		NA 1,000
Chloromethane 1,2-Dichloropropane		ļ	22U 22U	ļ	10,000
1,1-Dichloroethane			22U		10,000
1,2-Dichloroethane 1,1-Dichloroethane			22U 22U		1,000 8,000
Dibromochloromethane			220		1,000
1,2-trans Dichloroethylene 1,2-cis Dichloroethene			22U 22U		50,000 1,000
cis-1,3-Dichloropropene			220		1,000
trans-1,3-Dichloropropene Ethylogrzene			22U 22U		1,000
2-Hexanone			220	<u> </u>	NA
4-Methyl-2-Pentanone (MIBK) Methylene Chloride			22U 22U		50,000
Styrene			220	14 3	1,000 23,000 1,000
Tetrachlorocthylene 1.1.2.2-Tetrachlorocthane			22U 22U		1,000
Toluene			220		500,000
1,1,1-Trichloroethane			220		50,000
1,1,2-Trichloroethane Trichloroethene (TCE)			22U 22U	 	1,000
Vinyl Chloride			22U		2,000
Xylenes (Total) 1,1,1,2-Tetrachloroethane			22U 22U		10,000 1,000
SEMIVOLATILE ORGANICS (SW846 8270):					
Holding times 14 days to extract, 40 days to analyze	05/09/95	05/21/95			,
Phenoi	03/03/35	<u> </u>	720U		50,000
bis(2-chloroethyl)ether 2-Chlorophenol			720U 720U		660 10,000
1,3-Dichlorobenzene			720U		100,000
1,4-Dichlorobenzene			720U 720U		100,000 50,000
2-Methylphenol			7200		2,800,000
bis(2-chloroisopropyl)ether 4-Methylphenol			720U 720U		10,000 2,800,000
N-Nitroso-di-a-propylamine			7200		660
Herachloroethane Nitrobenzene			720U 720U		6,000 10,000
sophorone			7200		30,000
2-Nitrophenol 2-4-Dimethylphenol			720U 720U		NA NA
2,4-Dichlorophenol			7200		10.000
,2,4-Trichlorobenzene			720U 720U		68,000 100,000
-Chlorosniline			720U		230,000
lexachlorobutadiene			720U 720U		1,600 NA
-Chloro-3-methylphenol (p-chloro-m-cresol)			7200		100,000
lexachlorocyclopentadiene			720U 720U		100,000 10,000
4.5-Trichlorophenol			36000		50,000
-Chloronaphthalene Dimethyl phthalate			720U 720U		NA
Consphilitylene			720U		30,000 44
,5-Dinitrotolucne			720U 720U		1,000 16
,4-Dinitrophenol			36000		10,000
-Nitrophenol			3600U 720U		ÑA 1.000
4.Dinimotoluste					50,000
,4-Dinitrotolume hiethylphthalate			720U		30,000
Nethylphihalaie -Chlorophenyl-phenylether			720U 720U		NA
Nethylphihalate -Chlorophenyl-phenylether Noreno Selection			720U 720U 720U 720U 3600U		NA 18 NA
iethylphihalate -Chlorophenyl-phenylether luorene -Ch-Diniro-2-methylphenol -Nitrosodiphenylamine			720U 720U 720U 720U 3600U 720U		NA 18 NA 100,000
Octobylphihalate Chlorophenyl-phenylether Lourene 6-Dinimo-2-methylphenol -Nitrosodiphenylamine -Reschlorobenyl-phenylether leaschlorobenzene			720U 720U 720U 3600U 720U 720U 720U 720U		NA 18 NA 100,000 NA 660
Nethylphihalate -Chlorophenyl-phenylether luorero -Chlorino-2-methylphenol -Nitrosodiphenylamine -Bromophenyl-phenylether euschlorobenzene euschlorophenol			720U 720U 720U 3600U 720U 720U 720U 720U 3600U	62.1	NA 18 NA 100,000 NA 660 6,000
Octobylphihalate Chloropheryl-phenylether Normen			720U 720U 720U 720U 3600U 720U 720U 720U 720U 720U 720U 720U 7	83 J	NA 18 NA 100,000 NA 660 6,000 NA 85
Nethylphihalate -Chlorophenyl-phenylether Nether -Chlorophenyl-phenylether -Chlorophenyl-phenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenyl-phenylether -Chlorophenyl-phenylether -Chlorophenylether -Chlorophenyl-phenylether -Chlorophenylether		720U 720U 720U 3600U 720U 720U 720U 720U 720U 720U 720U 7	140 J	NA 18 NA 100,000 NA 660 6,000 NA 85 100,000	
Sichylphihalaie Chlorophenyl-phenylether Normen			720U 720U 720U 720U 3600U 720U 720U 720U 720U 720U 720U 720U 7		NA 18 NA 100,000 NA 660 6,000 NA 85
Octobylphihalate Chlorophenyl-phenylether Lorens 6-Dinimo-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether Lesschlorobenzene entschlorophenol henanthene nitracene i-n-butylphthalate kovanthene yerne utylbenzylphthalate utylbenzylphthalate			720U 720U 720U 3600U 720U 720U 720U 720U 720U 720U 720U 7	140 J 170 J	NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000
Sichylphihalaie Chlorophenyl-phenylether Normen			720U 720U 720U 720U 3600U 720U 720U 720U 720U 720U 720U 720U 7	140 J 170 J	NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290
Nethylphihalate -Chlorophenyl-phenylether Network Chlorophenyl-phenylether -Nitrosodiphenyl-phenylether -Nitrosodiphenyl-phenylether -Bromophenyl-phenylether -Bromophenylether -B			720U 720U 720U 720U 720U 720U 720U 720U	140 J 170 J 180 J	NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000

.....

į

Sample ID: BPO-2-95-C-0.0					
Lab ID: BPO2C0	į		Method Detection	1 1	Bulk Sediment
Sampling Date: 5/2/95	1		Limit	Reult	Criteria
	Date Extracted	Date Analyzed	ng/kg DW	ug/kg DW	ng/kg
Benzo(b)fluoranthene			720U 0g/kg D₩	130 J	900
Benzo(k)fluoranthene			7200	97 J	900
Benzo(a)pyrene (BaP)			720U	95 3	230
Indeno(1,2,3-cd)pyrene			7200	T	900
Dibenz(a,h)anthracene			720U		31
Benzo(g,h,i)perylene			720U	1	NA
N-nitrosodimethylamine			72000		NA
Benzidine			7200U	1	NA
1,2-Diphenylhydrazine		1	7200U		NA
Benzyl Alcohol			720U		50,000
PESTICIDES/PCBS (SW846 8080):					
		i	ŀ	1	•
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/24/95	1	<u> </u>	
alpha-BHC			350		NA
beta-BHC			350		NA.
delta-BHC			35U		NA
gamma-BHC (Lindane)			350		520
Heptachlor			350		150
Aldrin			350	1	40
Heptachlor Epoxide			350	l	NA NA
Endosulfan I			35U	<u> </u>	50,000
Dieldrin			700		11
4,4'-DDB			700		2,000
Endrin		L	700	·	42
Endosulian II			700		50,000
4,4'-DDD (p,p'-TDE)		1	70U		3,000
Endosulfan Sulfate			700		50,000
4,4'-DDT			700	 	2,000
Methoxychlor Endrin Ketone			3500	1	50,000
Endrin Ketone		ļ	700	1	ÑĀ
Endrin Aldehyde		 	700		NA
alpha-Chlordane	1		350		NA
gamma-Chlordane		-	350	 	NA
Mirex		1	700		NA
Toxaphene		 	7000	 	100
Aroclor-1016			350U		29
Aroclor-1221			3500		29
Aroclor-1232			3500	 	29
Aroclor-1242			350U	 	29
Arocior-1248	 	 	3500	 	29
Aroclor-1254			3300	100 J	29
Aroclor-1260					
Arocior-1200			350U	<u> </u>	29
			 		
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95	1	1 1	
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg	ŀ	ł I	
Antimony	an cacquiring	an cauping		1.600 BN	14,000
Arsenic				13,700 N	9,000
Barium			 	159,000	8,000 700,000
Beryllium			 	310 B	1,000
Cadmium	- 	· · · · · · · · · · · · · · · · · · ·	1	2.000	1,000
Chromium	 			63,000	33,000
Соррег	1		 	63,700	28,000
Lead	 		 	79,800	21,000
Mercury	5/22/95, 5/23/95	SMOR SMARE	 	HORSE SERVICE AND DESCRIPTION	100
Nickel		J. 24.73		31,500	20,900
Selenium	† · · · · ·		 	2,000	63,000
Silver				2,300 N	500
Thallium					A 666
Vanadium	 			46,700	370,000
Zinc	 			319,000	68,000
	 -			A CONTRACTOR OF THE SECOND	00,000
L	 				
INORGANICS - OTHER (Results in me/ke DW):	1			<u> </u>	
Total Organic Carbon (LOI)		5/19/95, 5/23/95		58,804	NA NA
Cyunide	1	5/13/95, 5/23/95	0.50		1,100
Moisture, in Percent				54.00	NA
GRAIN SIZE:					
Results in % Recovery]	5/26/95, 5/27/95			Į
Sieve #4	 	J. 2. 5. 7. J. 21 211 9 3		0.0	
Sieve #10	 			0.0	
Sieve #40	 			1.8	
Sieve #200	 		·	6.3	
0.000.000	 			0.5	
Results in Relative %	 				
Silt	 			44.2	
Ciay	 			47.7	
Ciaj	 	i		*1./	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: BPO-2-95-C-4.1 Lab ID: BPO2C4 Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days Acctone		5/9/95	230		100,000
Acrolein Acrylonitrile			230U 230U		NA 1,000
Benzene	<u> </u>		23U		1,000
Bromodichloromethane Bromoform	 		23U 23U		1,000
Bromomethane			23U 23U		1,000 50,000
2-Butanone (MEK) Carbon Tetrachloride	 		23U		1,000
2-Chloroethylvinylether Chlorobenzene			23U 23U		NA 1,000
Chloroethane			23U		NA
Chloroform Chloromethane	 		23U 23U		1,000 10,000
1,2-Dichloropropane	<u> </u>		23U 23U		10,000 10,000
1,1-Dichloroethane	 		23U		1,000
1,1-Dichloroethene Dibromochloromethane	ļ	<u> </u>	23U 23U		8,000 1,000
1,2-trans Dichloroethylene			23U		50,000
1,2-cis Dichloroethene cis-1,3-Dichloropropene			23U 23U		1,000
trans-1,3-Dichloropropene			23U		1,000
Ethylbenzene 2-Hexanone	 		23U 23U		NA NA
4-Methyl-2-Pentanone (MIBK)			23U 23U	6 J	50,000 1,000
Methylene Chloride Styrene	<u> </u>		23U		23,000
Tetrachloroethylene			23U 23U		1,000 1,000
Toluene			23U	3.1	\$00,000 \$0,000
1,1,1-Trichloroethane 1,1,2-Trichloroethane	 		23U 23U		1,000
Trichloroethene (TCE)			23U 23U		1,000 2,000
Vinyl Chloride Xylenes (Total)	†		23U		10,000
1,1,1,2-Tetrachloroethane			23U		1,000
SEMIVOLATILE ORGANICS (SW846 8270):		25.05			
Holding time: 14 days to extract, 40 days to analyze Phenol	05/09/95	05/21/95	760U		50,000
bis(2-chloroethyl)ether			760U 760U		660 10,000
2-Chlorophenol 1,3-Dichlorobenzene			760U		100,000
1,4-Dichlorobenzene 1,2-Dichlorobenzene	ļ		760U 760U		100,000 50,000
2-Methylphenol			760U		2,800,000 10,000
bis(2-chloroisopropyl)ether 4-Methylphenol			760U 760U	130 J	2,800,000
N-Nitroso-di-n-propylamine Hexachloroethane	ļ		760U 760U		660
Nitrobenzene			760U		10,000
Isophorone 2-Nitrophenol	 		760U 760U		50,000 NA
2,4-Dimethylphenol			760U		NA 10 000
2,4-Dichlorophenol 1,2,4-Trichlorobenzene	1		760U 760U		68,000
Naphthalene			760U 760U		100,000 230,000
4-Chloroaniline Hexachlorobutadiene			760U		1,000
bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)	ļ		760U 760U		NA 100,000
Hexachlorocyclopentadiene			760U 760U		100,000
2,4,6-Trichlorophenol 2,4,5-Trichlorophenol			3800U		50,000
2-Chloronaphthalene Dimethyl phthalate			760U 760U		NA 50,000
Acenaphthylene			760U		44
2,6-Dinitrotoluene Acenaphthene	I		760U		1,000 16
2,4-Dinitrophenol		<u> </u>	760U		
4 12: 1			3800U		10,000 NA
2,4-Dintrophenol 2,4-Dintrotoluene			3800U 3800U 760U		NA 1,000
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate			3800U 3800U 760U 760U		NA 1,000 50,000
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene			3800U 3800U 760U 760U 760U 760U		NA 1,000 50,000 NA 18
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol			3800U 3800U 760U 760U 760U 760U 3800U 760U		NA 1,000 50,000 NA 18 NA 100,000
4-Nitrophenol 2,4-Dimitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dimitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether			3800U 3800U 760U 760U 760U 760U 3800U 760U 760U 760U		NA 1,000 50,000 NA 18 NA 100,000 NA
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether			3800U 3800U 760U 760U 760U 760U 3800U 760U 760U 760U 760U 3800U		NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthene			3800U 3800U 760U 760U 760U 760U 3800U 760U 760U 760U 3800U 760U 760U	110 J	NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate			3800U 3800U 760U 760U 760U 760U 3800U 760U 760U 760U 760U 760U 760U 760U 7	110 3	NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene			3800U 3800U 760U 760U 760U 760U 760U 760U 760U 7		NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorophenol Phenathrene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene Fyrene Butylbenzylphthalate			3800U 3800U 760U 760U 760U 760U 3800U 760U 760U 760U 760U 760U 760U 760U 7	110 J 190 J	NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene			3800U 3800U 760U 760U 760U 760U 760U 760U 760U 7	110 J 190 J	NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000 160
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-burylphthalate Fluoranthene Pyrene Butylbenzylphthalate 3,3'-Dichlorobenzidine			3800U 3800U 760U 760U 760U 760U 760U 760U 760U 7	110 J 190 J 220 J	NA 1,000 50,000 NA 18 NA 100,000 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000

*

.....

0 1 VD DDO 2 05 C 4 1	т			Т	
Sample ID: BPO-2-95-C-4.1 Lab ID: BPO2C4			Method Detection		Bulk Sediment
Sampling Date: 5/2/95	1	ł	Limit	Result	Criteria
	Date Extracted	Date Analyzed	ug/kg DW	ng/kg DW	ug/kg
Benzo(b)fluoranthene			7600	120 J	900
Benzo(k)fluoranthene			760U	120 J	900
Benzo(a)pyrene (BaP)	<u> </u>		760U . 760U	100 J	900
Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene			7600	 	31
Benzo(g,h,i)perylene	` 	ļ	7600	 	NA NA
N-nitrosodimethylamine			7600U		NA
Benzidine			7600U		NA
1,2-Diphenylhydrazine			7600U		NA NA
Benzyl Alcohol	<u> </u>	<u> </u>	760U	 	50,000
	 			l	
PESTICIDES/PCBS (SW846 8080):	}	1			
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/24/95	<u> </u>		
alpha-BHC			36U		NA .
beta-BHC			36U	<u> </u>	NA NA
delta-BHC	<u> </u>		360	 _	NA 620
gamma-BHC (Lindane)	 		36U 36U	ļ	520 150
Heptachlor	 	 	360	 	. 40
Aldrin Heptachlor Epoxide	 	 	36U	 	NA NA
Endosulfan I	 		360	1	50,000
Dieldrin			73Ŭ	1	11
4,4'-DDE			730	43 J	2,000
Endrin			73U		42
Endosul fan II			73U		50,000
4,4'-DDD (p,p'-TDE)	 		73U	 	3,000
Endosulfan Sulfate	 	 	73U 73U	 	50,000 2,000
4,4'-DDT	 		3600	 	50,000
Methoxychlor Endrin Ketone	 	 	730	 	NA NA
Endrin Aldehyde	 		730	t	NA NA
alpha-Chlordane	 		36U		NA
gamma-Chlordane			360		NA
Mirex			730		NA
Toxsphene	·	<u> </u>	730U	 	100
Aroclor-1016		<u> </u>	360U 360U	ļ	29 29
Aroclor-1221		 	360U	 	29
Aroclor-1232 Aroclor-1242	 	 	3600	 	29
Aroclor-1242	 		3600	 	29
Aroclor-1254			360U	150 Jan	29
Aroclor-1260			360U		29
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95		i i	
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg		!	
Antimony				1,300 BN	14,000
Arsenic				14,600 N	8,000
Barium				153,000	700,000
Beryllium		L	40U		1,000
Cadmium		ļ		1,500	1,000 33,000
Chromium	 		<u> </u>	71,000 58,700	28,000
Copper Lead	 		<u> </u>	58,700 76,300	21,000
Mercury	5/22/95, 5/23/95	5/22/95, 5/24/95		360	100
Nickel	1			37,200	20,900
Selenium				1,400	63,000
Silver				1,700 BN	500
Thallium				2,700	2,000
Vanadium	 			58,300 273,000	370,000 68,000
Zinc	 			213,000	00,000
	 				
INORGANICS - OTHER (Results in me/ke DW):	1	snone emane		1 106 222	N/ A
Total Organic Carbon (LOI)	 	5/19/95, 5/23/95 5/13/95, 5/16/95	0.50	106,273	1,100
Cyanide Maichan in Berent		2710175	00	56.00	NA NA
Moisture, in Percent	 			70.00	
CD AND CIZE.					
GRAIN SIZE:	} '	5/26/95, 5/27/95			
Results in % Recovery Sieve #4	 	J. 20133, 3121133		0.0	
Sieve #4				0.0	
Sieve #40	 			1.7	
Sieve #200				8.7	
Results in Relative %					
Silt	ļ			51.2	
Clay				38.4	
<u> </u>	J	LI		LL	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

I - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: BST-1-95-C-1.0 Lab ID: BST1C3 Sampling Date: 4/30/95			Method Detection Limit	Result	Bulk Sediment Criteria
	Date Extracted	Date Analyzed	ug/kg DW	ng/kg DW	ng/ke
VOLATILE ORGANICS (SW846 8240): Holding time: 14 days]	05/05/95			•
Acctone		<u> </u>	าาบ		100,000
Acrolem Acrylonitrile			1100		NA 1000
Berzene Bromodichloromethane			110		1000
Bromoform			110		1000
Bromomethane 2-Butanone (MEK)			110		1000 50,000
Carbon Tetrachloride			110		1000
2-Chloroethylvinylether Chlorobenzene		<u> </u>	110		NA 1000
Chloroethane Chloroform			110		NA 1000
Chloromethane			110		10,000
1,2-Dichloropropane	 		110		10,000
1,2-Dichloroethane			110		1000 8000
1,1-Dichloroethene Dibromochloromethane			110		1000
1.2-trans Dichloroethylene 1.2-cis Dichloroethene			110		50,000
cis-1,3-Dichloropropene			110		1000
trans-1,3-Dichloropropene Ethylbergene	 	 	110		1000
2-Hexanone			110 110		NA 50,000
4-Methyl-2-Pentanone (MIBK) Methylene Chloride			110	3 J	1000
Styrene Tetrachloroethylene			110		23,000
1,1,2,2-Tetrachloroethane			110		1000
Toluene 1.1.1-Trichloroethane			110		500,000 50,000
1,1,2-Trichloroethane			110		1000
Trichloroethene (TCE) Vinyl Chloride	ļ <u>-</u>		110		2000
Xylenes (Total)			11U 11U		10,000
1,1,1,2-1cu acinorocusane					
SEMIVOLATILE ORGANICS (SW846 8270):					
Holding time: 14 days to extract, 40 days to analyze	05/05/95	05/20/95			
Phenol			370U		50,000 660
bis(2-chloroethyl)ether 2-chlorophenol			370U 370U		10,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene			370U 370U		100,000
1,2-Dichlorobenzene			370U		50,000
2-Methylphenol bis(2-chloroisopropyl)ether			370U 370U		2,800,000 10,000
4-Methylphenol			370U 370U		2,800,000 660
N-Nitroso-di-n-propylamine Hexachloroethane			370U		6,000
Nitrobenzene Isophorone			370U 370U		10,000 50,000
2-Nitrophenol			370U		NA NA
2,4-DirectlyIphenol 2,4-Dichlorophenol			370U 370U		10,000
1,2,4-Trichlorobenzene			370U 370U	413	68,000 100,000
Naphthalene 4-Caloroaniline			370U	,,, <u>,</u>	230,000
Hexachlorobutadiene bis/2-Chloroethoxy)methane			370U 370U		1,000 NA
4-Chloro-3-methylphenol (p-chloro-m-cresol)			370U 370U		100,000 100,000
Hexachlorocyclopentadiene 2,4,6-Trichlorophenol			370U		10,000
2,4,5-Trichlorophenol 2-Chloronaphthalene			1900U 370U		50,000 NA
Dimethyl phthalate			370U 370U		50,000 44
Accasphthylene 2,6-Dinitrotoluene			370U		1,000
Acenaphthene 2,4-Dinitrophenol			370U 1900U		16
4-Nitrophenol			19000		NA .
2,4-Dinitrotoluene Diethylphthalate			370U 370U		1,000 50,000
4-Chlorophenyi-phenylether			370U		NA
Fluorene 4,6-Dinirro-2-methylphenol	·		370U 1900U		18 NA
N-Nitrosodiphenylamine 4-Bromophenyl-phenylether			370U 370U		100,000 NA
Hexachlorobenzene			370U		660
Pentachlorophenol Phenanthrene			1900U 370U		6,000 NA
Anthracene			370U 370U		85 100,000
Di-n-butylphthalate Fluoranthene			370U		380
Pyrene Burylbenzylphthalate			370U 370U	38J	100,000
3,3'-Dichlorobenzidine			750U		2,000
Berzo(a)anthracene Crrysene			370U 370U		160 220
Bis/2-Ethylhexyl)phthalate			370U	533	49,000 100,000
Di-n-octylphthalate			3700		

:..

•

Sample ID: BST-1-95-C-1.0 Lab ID: BST1C3 Sampling Date: 4/30/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ng/kg 900
Benzo () illuoranthene Benzo (k) illuoranthene		 	370U 370U	ļ	900
Benzo's)pyrene (BaP)			3700		230
Indeno(1,2,3-cd)pyrene		 	370U		900
Dibezz's,h)anthracene			370U		31
Benzo'r, h.j)perylene	_		370U		NA NA
N-nitrosodimethylamine Benzidine			3700U 3700U	 	NA NA
1,2-Diphenylhydrazine			37000		NA NA
Berzyl Alcohol		<u> </u>	3700		50,000
PESTICIDES/PCBS (SW846 8080):					
Holding time: 14 days to extract, 40 days to analyze	05/05/95	05/13/95	1	İ	
alpha-BHC			90		NA
bcts-BHC			90		NA.
delta-BHC gamma-BHC (Lindane)			90		NA 520
Heptachlor			00		150
Aldna		····	90	 	40
Heptachlor Epoxide			90		NA
Endosulfan I			9U		50,000
Dieldrin			180		11
4,4'-DDE Endria			180	ļļ-	2,000
ndosulfan II		 	18U	 	42 50,000
4.4'-DDD (p.p'-TDE)		 	180	 -	3,000
Endosulfan Sulfate		 	18U		50,000
4,4'-DDT			180		2,000
Methoxychlor			90 U		50,000
Endrin Ketone			18U		NA NA
endrin Aldehyde alpha-Calordane		 	18U 9U		NA NA
gamma-Chlordane			90		NA NA
Mirex			18U		- NA
Toxanbene			180U		100
Arociar-1016			900		29
Aroclor-1221			900		29
Aroclor-1232 Aroclor-1242	-		900	<u> </u>	29
Arocior-1242 Arocior-1248			900	-,	29 29
Uroclor-1254			900		29
Aroclar-1260			90U		29
NORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95			
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Antimotry				380 BN	14,000
Arsenic Danium				590 B 11,600 B	8,000 700,000
Beryllium				130 B	1.000
Cadmium				40 B	1,000
Aromium				9,600 N	33,000
Apper				5,100 N°	28,000
end	70007	77.5		2,900	21,000
Mercry Nickel	5/22/95	5/31/95	110U	5,800	100 20,900
elenium	 		210U	3,800	63,000
ilver		 		60 BN	500
hallium			340U		
'anadium				8,600 19,700	2,000 370,000
ine	 			19,700	68,000
NORGANICS - OTHER (Results in mg/kg DW):					
otal Organic Carbon (LOI)	1	5/19/95-5/23/95		1056	NA 1100
yanide foisture, in Percent	<u> </u>	5/13/95-5/19/95	0.560	11.00	1,100 NA
RAIN SIZE:					
esulu in % Recovery	1	5/24/95, 5/25/95	.	•	
ieve #4	 	J. 5-11/3, JI LJ 17 J		5.4	
ieve #10				6.3	
eve #40				67.0	
eve #200	+			15.0	
esults in Relative %	 				
It	 			3.4	
lay	1		·	2.9	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: BST-1-95-C-3.75 Lab ID: BST1C5 Sampling Date: 4/30/95	Date Extracted	Date Analyzed	Method Detection Limit ng/kg DW	Result ng/kg DW	Bulk Sediment Criteria ug/kg
VOLATILE ORGANICS (SW846 8240); Holding time: 14 days	_	05/05/95		•	
Acrolein			13U 130U		100,000 NA
Acrylonitrile			1300		1000
Benzene			13U 13U		1000
Bromodichloromethane Bromoform	+	 	130		1000
Bromomethane			130		1000
2-Butanone (MEK) Carbon Tetrachloride	 		13U 13U		50,000 1000
2-Chloroethylvinylether			13U		NA
Chlorobenzene Chloroethane	<u> </u>		130		1000 NA
Chloroform			13U		1000
Chloromethane	<u> </u>		130		10,000 10,000
1,1-Dichloroptopane	ļ.,		130		10,000
1,2-Dichlorocthane			130		1000 8000
1,1-Dichloroethene Dibromochloromethane	 		130		1000
1,2-trans Dichloroethylene			130		30,000
1,2-cis Dichlorocthene cis-1,3-Dichloropropene	ļ	 	13U 13U		1000
trans-1,3-Dichloropropene			130		1000
Ethylbenzene	ļ		13U		100,000 NA
2-Heranone 4-Methyl-2-Pentanone (MIBK)	 	<u> </u>	13U		50,000
Methylene Chloride			13U	4 J	1000
Styrene Tetrachloroethylene		_	130		23,000
1,1,2,2-Tetrachloroethane			130		1000
Toluene I,I,I-Trichloroethane			13U 13U		500,000 50,000
1.1.2-Trichloroethane	 		130		1000
Trichloroethene (TCE)			130		1000
Virryl Chloride Xylonos (Total)			13U 13U		2000 10,000
1,1,1,2-Tetrachlorocthane			130		1000
SEMIVOLATILE ORGANICS (SW846 8270):	<u> </u>				
Holding time: 14 days to extract, 40 days to analyze	05/05/95	05/20/95			
Phenol	03/03/93	03/20/33	420U		50,000
bis(2-chloroethyl)ether			420U		660
2-Chlorophenol 1.3-Dichlorobenzene			420U 420U		10,000
1,4-Dichlorobenzene			420U		100,000
1,2-Dichlorobenzene			420U 420U		50,000 2,800,000
2-Methylphenol bis(2-chloroisopropyl)ether	†		420U		10,000
4-Methylphenoi			420U		2,800,000 660
N-Nitroso-di-n-propylamine Hexachloroethane			420U 420U		6,000
Nitrobenzene			420U		10,000
Isophorone 2-Nitrophenol	 		420U 420U		50,000 NA
2.4-Directory benot 2.4-Directory benot			420U		NA
			420U 420U		10,000 68,000
1,2,4-Trichlorobenzene Naphthalene	 		420U		100,000
4-Chloroaniline			420U		230,000
Herachlorobutadiene bis/2-Chloroethoxy)methane			420U 420U		1,000 NA
4-Chloro-3-methylphenol (p-chloro-m-cresol)			420U		100,000
Herachlorocyclopentadiene 2,4,6-Trichlorophenol			420U 420U		100,000
2,4,5-Trichlorophenol			2100U		50,000
2-Chloronaphthalene			420U 420U		NA 50,000
Dimethyl phthalate Accasphthylene			420U		44
7,6-Dinitrotoluene			420U		1,000
Accamphthene 2,4-Dinitrophenol			420U 2100U		16
I-Nitrophenol			2100U		ÑA
2,4-Dinitrotolucae Dicthylphthalate			420U 420U		1,000 30,000
-Chlorophenyl-phenylether			420U		NA _
			4200		
luorene			420U		18
I.6-Dinitro-2-methylphenol			420U 2100U		NA
,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine -Bromophenyl-phenylether			420U 2100U 420U 420U		NA 100,000 NA
,6-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether leuschlorobenzene			420U 2100U 420U 420U 420U		NA 100,000 NA 660
,6-Dinitro-2-methylphenol -Nitrosodiphenylarnine -Bromophenyl-phenylether -exachlorobenzene -entachlorophenol -thenanthrene			420U 2100U 420U 420U 420U 2100U 420U		NA 100,000 NA 660 6,000 NA
, 6-Dinitro-2-methylphenol 1-Nitrosodiphenylamine 1-Bromophenyl-phenylether leuschlorobenzene eratschlorophenol Phenanthrene unthracene			420U 2100U 420U 420U 420U 2100U 420U 420U 420U		NA 100,000 NA 660 6,000 NA 85
,6-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether leuschlorobenzene entschlorophenol henanthrene unthrene bi-n-butylphthalate			420U 2100U 420U 420U 420U 2100U 420U		NA 100,000 NA 660 6,000 NA
S-Dinitro-2-methylphenol Nitrosodiphenylamine -Bromophenyl-phenylether lexachlorobenzene entachlorophenol henanthrene inthracene ji-n-butylphthalate luoranthene yyrane			420U 2100U 420U 420U 420U 2100U 420U 420U 420U 420U 420U 420U 420U 4		NA 100,000 NA 660 6,000 NA 85 100,000 380 290
(.6-Dinitro-2-methylphenol 1-Nitrosodiphenylamine 1-Bromophenyl-phenylether lexachlorobenzene entachlorophenol phenanthrene hithracene Di-n-butylphthalate luoranthene yyene turylphthalate			420U 2100U 420U 420U 420U 2100U 420U 420U 420U 420U 420U 420U 420U 4		NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000
S-Dinitro-2-methylphenol Nitrosodiphenylamine -Bromophenyl-phenylether lexachlorobenzene entachlorophenol henanthrene inthracene ji-n-butylphthalate luoranthene yyene			420U 2100U 420U 420U 420U 2100U 420U 420U 420U 420U 420U 420U 420U 4		NA 100,000 NA 660 6,000 NA 85 100,000 380 290
,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine Bromophenyl-phenylether leuschlorobenzene entschlorophenol Phenanthrene unthracene Di-n-butylphthalate Tuoranthene yrene syrene untylbenzylphthalate 3-Dichlorobenzidine			420U 2100U 420U 420U 420U 2100U 420U 420U 420U 420U 420U 420U 420U 4		NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000

A ship and the same of the sam

.

÷

				· · · · · · · · · · · · · · · · · · ·	
Sample ID: BST-1-95-C-3.75		1.			
Lab ID: BST1CS	· 1	ŀ	Method Detection		Bulk Sediment
Sampling Date: 4/30/95		j	Limit	Result	Criteria
	Date Extracted	Date Analyzed	ng/kg DW	ug/kg DW	ne/ke
Benzo(b) fluoranthene			420U		900
Benzo(k)fluoranthene		ļ	420U		900
Benzo(a)pyrene (BaP)		ļ	420U		230
Indeno(1,2,3-ed)pyrene Dibenz(a,h)anthracene		 	420U		900
Benzo(g,h,i)perylene			420U		31
N-nitrosodimethylamine			420U 4200U		NA NA
Benzidine			4200U		NA NA
1,2-Diphenylhydrazine		 	4200U		NA NA
Benzyl Alcohol		 	4200		30,000
Basi Money		+	1200		30,000
POST CENTOR CON CONTRACTOR CONTRA	 		 		
PESTICIDES/PCBS (SW846 8080):	ł		1		
Holding time: 14 days to extract, 40 days to analyze	05/05/95	05/13/95	.		
alpha-BHC			100		NA
beta-BHC			100		NA
delta-BHC			100		NA
gamma-BHC (Lindane)			100		520
Heptachlor			100		150
Aldrin			10U		40
Heptachlor Epoxide			100		NA
Endosulfan I			100		50,000
Dieldrin			200		11
4,4'-DDE			20U		2,000
Endrin .			200		42
Endosulian II			200		50,000
4.4'-DDD (p.p'-TD5)			200		3,000
Endosulfan Sulfate			200		50,000
4,4'-DDT			20U		2,000
Methoxychlor			1000		50,000
Endrin Ketone			200		NA.
Endrin Aldehyde			200		NA
alpha-Chlordane			100		NA
gamma-Chlordane		<u> </u>	100		NA
Mirex			20U		NA NA
Toxaphene			200U		100
Aroclar-1016		<u></u>	1000		29
Aroclor-1221			1000		29
Aroclor-1232			1000		29
Aroclor-1242			100U		29
Aroclor-1248	_		100U		29
Aroclor-1254			100U	1	29
Aroclor-1260	_ <u> </u>		100U		29
		ļ	!		
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95	1		
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg	1	į	
Antimony	ar caccarrig	an except rig		980 BN	
Arrenic				1,100 BN	14,000
Barium			 	9,700 B	8,000 700,000
Beyllium	+		 	730	1,000
Cadmium	 		-	120 B	1,000
Ciromium				32,800 N	33,000
Соррег	 			6,800 N°	28,000
Lead			 	5,900 N	21,000
Mercury	5/22/95	5/31/95	130U		100
Nickel	 			120 B	20,900
Selenium	 			510 B	63,000
Silver	 		600	60 UN	300
Thallium			3500	- W 014	2,000
Vanadium				63 500	370,000
Zinc				63,500 2,000 B	68,000
				2,300 B	00,000
DIOPCANICS OTTER CO	1				
INORGANICS - OTHER (Results in mg/kg DW):	1	enone enone	1		.,, 1
Total Organic Carbon (LOI)		5/19/95-5/23/95	l	797	NA NA
Cyanide Moisture, in Percent	 	5/13/95-5/19/95	0.630		1,100
пловине, ш газац	 			21.00	NA NA
	- -				
GRAIN SIZE:	1	I	i		i
Results in % Recovery		5/24/95, 5/25/95		1.	
Sieve #4				0.0	
Sieve #10				0.0	
Sieve #40				2.0	
Sieve #200				2.0	
Results in Relative %	ļl				
Silt	 			34.3	
Clay	 			61.7	
	1 . 1	1	1	i	1

Definitions:

NA - Not Available

12/12 - micrograms per kilogram, parts per billion

12/12 - milligrams per kilogram, parts per million

12/12 - milligrams per kilogram, parts per million

13/12 - Estimated value

14/13 - Detected in laboratory blank (organics), Reported value less than Contract Required DL

15/15 - Duplicate analysis not within control limits

15/15 - Detection limit

15/15 - Detection limit

15/15 - Detection limit

15/16 - Result obtained on diluted sample

15/16 - Spiked sample recovery not within control limits

Sample ID: BST-2-95-C-0.0 Lab ID: BST2C0 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result	Bulk Sediment Criteria ug/kg
YOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days Acctone		5/10/95	120		100,000
Acrolan			1200		NA
Accylonitrile			1200		1,000
Benzene Bromodichloromethane		 	120		1,000
Bromoform		<u> </u>	120		1,000
Bromomethane			120		1,000
2-Buranone (MEK) Carbon Tetrachloride		 	12U 12U	- 	50,000
2-Chloroethylvinylether			120	 	NA
Chlorobenzene			120		1,000
Chloroform		<u> </u>	12U 12U	-}	1,000
Chloromethane	- 	 	120	 	10,000
1,2-Dichloropropane			120		10,000
1,1-Dichloroethane 1,2-Dichloroethane		 	120		10,000
1.1-Dichloroethene			120		8,000
Dibromochloromethane			120		1,000
1,2-trans Dichloroethylene			120		50,000
1,2-cis Dichloroethene cis-1,3-Dichloropropene			120		1,000
trans-1,3-Dichloropropene		1	120		1,000
Ethylbenzene			120		100,000
2-Hexanone 4-Methyl-2-Pentanone (MIBK)		 	12U 12U	 	NA 50,000
Mahylane Chloride		 	120	37	1,000
Styrene			120		23,000
Tetrachloroethylene			120		1,000
1,1,2,2-Tetrachloroethane Tolucie		 	12U 12U	 	1,000 500,000
Initial Inchiorocthane In 2-Inchiorocthane			120		50,000
1,1,2-Trichloroethane			12U		1,000
Trichloroethene (TCE) Vinyl Chloride			12U 12U	 	1,000 2,000
Virty Citoride Xvienes (Total)			12U	-	10,000
Xylones (Total) 1,1,1,2-Tetrachloroethane			120		1,000
THE THE PLANT OF CALLED AND ACCOUNT.			· · · · · · · · · · · · · · · · · · ·	<u> </u>	
SEMIYOLATILE ORGANICS (SY846 8270):				[
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/26/95	420U	 	50,000
Phenol bis(2-chloroethyl)ether			420U		660
2-Chlorophenol			420U		10,000
1,3-Dichlorobenzene			420U	 	100,000
1.4-Dichlorobenzene			420U	<u> </u>	100,000
1,2-Dichlorobenzene			420U		50,000
2-Methylphenol			4200		2,800,000
pis(2-chloroisopropyl)ether I-Methylphenol			420U 420U	 	10,000 2,800,000
N-Nitroso-di-n-propylamine			420U	 	660
deschloroethane			420U		6,000
Vitrobenzene sophorone					
2-Nitrophenol			4200	∤	10,000
			420U		10,000 50,000
,4-Dimethylphenol			420U 420U 420U		10,000 50,000 NA NA
4-Dichlorophenol			420U 420U 420U 420U		10,000 50,000 NA NA 10,000
2,4-Dichlorophenol 2,4-Trichlorobenzene			420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000
,4-Dictiorophenol ,2,4-Trictiorobenzene Naphthalene Chloroaniline			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000
,4-Dichlorophenol ,2,4-Trichlorobenzene Vaphthalene -Chloroaniline Jezachlorobutadiene			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000
.4-Dictlorophenol 2.4-Trichlorobenzene Naphthalene -Chloroaniline Caronaniline Caronaniline Caronaniline Caronaniline Caronaniline Caronaniline			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA
,4-Dichlorophenol ,2,4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene is(2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000
(4-Dictolorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene isg2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene (4,6-Trichlorophenol			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline -Caschlorobutadiene is(2-Chloroethoxy)methane -Chloro-T-methylphenol (p-chloro-m-cresol) -Caschlorocyclopentadiene -(4,5-Trichlorophenol 4,5-Trichlorophenol			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000
.4-Dichlorophenol 2.4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene is(2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorophenol 4.4-Trichlorophenol -Chlorophenol -Chloroaphthalene			420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 NA
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline -Caschlorobutadiene sis(2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) -Caschlorocyclopentadiene -(4,6-Trichlorophenol -(4,5-Trichlorophenol -Chloronaphthalene -Chloronaphthalene -Chloronaphthalene -Chloronaphthalene -Chloronaphthalene -Chloronaphthalene -Chloronaphthalene			420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U	(7.7) (7.7) (7.7)	10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 NA 50,000 NA
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline Ierzehlorobutzdiene is(2-Chloroethoxy)methane -Chloro-Therethoxy)methane -Chloro-Therethoxy)methane -Chloro-Therethylphenol (p-chloro-m-cresol) Ierzehlorocyclopentadiene (4,6-Trichlorophenol 4,5-Trichlorophenol -Chloronaphthalene Dimethyl phthalate Ioenaphthylene (5-Dinitrotoluene			420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 10,000 NA 50,000 NA 50,000 44 1,000
(4-Dichlorophenol 2,4-Trichlorobenzene Naphihalene -Chloroaniline lezachlorobutadi ene isig2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene 4,6-Trichlorophenol -(A,5-Trichlorophenol -Chloronaphthalene Dimethyl phthalate ceraphthylene (5-Dinitrotoluene ceraphthene			420U 420U 420U 420U 420U 420U 420U 420U	京中国中国中国 677.3 国际 (140.3 年) (140.3 年) (140.3 年)	10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 NA 100,000 100,000 44 1,000 16
(4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline -Caschlorobutadiene sis(2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) -Caschlorocyclopentadiene -(4,6-Trichlorophenol -(4,5-Trichlorophenol -Chloronaphthalene -Chloronaphthalene -Chloronaphthalene -Chloronaphthalene -Chloronaphthalene -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol			420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 44 1,000 16 10,000
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene isig'-Chloroethoxy/methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene (4,6-Trichlorophenol -Chloronaphthalene Dimethyl phthalate Normaphthylene (5-Dinitrotoluene (4-Dinitrotoluene (4-Dinitrotoluene			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 NA 100,000 NA 100,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000
(4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline -Caschlorobutadiene sis(2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) -Caschlorocyclopentadiene -(4,5-Trichlorophenol -(4,5-Trichlorophenol -Chloronaphthalene -Chloronaphthalene -Chloronaphthalene -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 110,000 100,000 110,000 NA 1,000 NA 1,000 16,000 16,000 NA 1,000 16,000 16,000 NA 1,000 16,000 NA 1,000 NA
(4-Dichlorophenol 2,4-Trichlorophenol 2,4-Trichlorobenzene Nanhthalene -Chloroaniline lezachlorobutadiene isi(2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol -Chloronaphthalene immehyl phthalate coraphthyl ene (5-Dinitrotoluene ceraphthene -Chlorophenol -Nitrophenol -Nitrophenol -Nitrophenol -Dinitrotoluene ceraphthene -Chlorophenol -Dinitrotoluene ceraphthene -Chlorophenol -Dinitrotoluene ceraphthalene -Chlorophenol -Dinitrotoluene ceraphthalene -Chlorophenol			420U 420U 420U 420U 420U 420U 420U 420U	**************************************	10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene sig2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol -Chloronaphthalene Dimethyl phthalate coraphthylene 6-Dinjtrotoluene coraphthene 4,5-Dinjtrotoluene coraphthene 4,5-Dinjtrotoluene coraphthene 4,5-Dinjtrotoluene coraphthalate Chlorophenol -Chlorophenol			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 100,000 100,000 100,000 10,000 NA 50,000 NA 50,000 16 10,000 16 10,000 NA 1,000 NA
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline -Caschlorobutadiene sity(2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) -Caschlorocyclopentadiene -(4,6-Trichlorophenol -(5,5-Trichlorophenol -Chloroaphthalene -Chloroaphthalene -Chloronaphthalene -Chlorothoxy)methane -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -(5-Dinitrotoluene -Chlorophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether			420U 420U 420U 420U 420U 420U 420U 420U	**************************************	10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 11,000
(4-Dictlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene isig2-Chloroethoxy/methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene (4,6-Trichlorophenol -(4,5-Trichlorophenol -(5-Trichlorophenol -			420U 420U 420U 420U 420U 420U 420U 420U	**************************************	10,000 50,000 NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 100,000 NA 1,000 16 10,000 NA 1,000 NA
4-Dicilorophenol 2,4-Trichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline -Caschlorobutadiene sis(2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) -Chloro-3-methylphenol (p-chloro-m-cresol) -Chloro-3-methylphenol (p-chloro-m-cresol) -Chloro-3-methylphenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Dinitrotoluene -Chlorophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrosodiphenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenol -Nitrosodiphenyl-phenylether -Caschlorobenzene			420U 420U 420U 420U 420U 420U 420U 420U	**************************************	10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 10,000 10,000 10,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene isig2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene 4,6-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(Chloronaphthalene)imethyl phthalate vortaphthylene (5-Dinitrotoluene cortaphthene -(A-Dinitrotoluene cortaphthene -(A-Dinitrotoluene cortaphthalate -(Chlorophenol -(A-Dinitrotoluene cortaphthalate -(Chlorophenol -(A-Dinitrotoluene cortaphthalate -(Chlorophenyl-phenylether luorene (5-Dinitro-2-methylphenol -(A-Dinitro-2-methylphenol -(A-D			420U 420U 420U 420U 420U 420U 420U 420U		10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 1,000 NA
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline Ierzehlorobutadiene isig'-Chloroethoxy/methane -Chloro-3-methylphenol (p-chloro-m-cresol) Ierzehlorocyclopentadiene (A,6-Trichlorophenol -Chloronaphthalene Dimethyl phthalate Ioenaphthylene (A-Dinitrotoluene Ioenaphthylene (A-Dinitrotoluene Ioenaphthalene Introphenol Intracene			420U 420U 420U 420U 420U 420U 420U 420U	在京東部東西 140g 東京 東江山田東京州 150g J東京	10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 NA
(4-Dictolorophenol 2,4-Trichlorobenzene Naphihalene -Chloroaniline lezachlorobutadiene is(2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene 4,6-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(Chloronaphthalene bimethyl phthalate locataphthylene -(Chlorophenol -(Dinivotoluene locataphthylene -(A-Dinivotoluene locataphthylenel -(A-Dinivotoluene locataphthylenel -(A-Dinivotoluene locataphthylenel -(A-Dinivotoluene locataphthylenel -(A-Dinivotoluene locataphthylenel -(A-Dinivotoluene locataphthylenel -(A-Dinivotoluene) locataphtylenel luorene -(A-Dinivo-2-methylphenol -(A-D			420U 420U 420U 420U 420U 420U 420U 420U	1200 1200	10,000 50,000 NA NA 10,000 68,000 100,000 100,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene isig2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene 4,6-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(Chloronaphthalene)imethyl phthalate iomaphthalene jimethyl phthalate ioemaphthene -(A-Dinitrotoluene ceraphthene -(A-Dinitrotoluene ioethylphthalate -Chlorophenol -(A-Dinitrotoluene ioethylphthalate -(Chlorophenyl-phenylether luorene -(B-Dinitro-2-methylphenol -Nitrosodiphenyl-phenylether leszachlorobenzene entachlorophenol henanturene nthracene in-butylphthalate luorentene			420U 420U 420U 420U 420U 420U 420U 420U	1200 1200 1200 1200 1200 1200 1200 1200	10,000 50,000 NA NA NA 10,000 68,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 NA 1,000 16 10,000 NA 1,000 NA 18 NA 100,000 NA 18 S5 100,000 NA
(4-Dictolorophenol 2,4-Trichlorobenzene Naphihalene -Chloroaniline lezachlorobutadiene is(2-Chlorocthoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) Resachlorocyclopentadiene 4,6-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A,5-Trichlorophenol -(A)-Dinivotoluene immelyl phthalate cerachlylpenol -(A-Dinivotoluene icenephthene -(A-Dinivotoluene icenephthene -(A-Dinivotoluene icetylphthalate -(Chlorophenyl-phenylether luorene -(A-Dinivo-2-methylphenol -(A-Din			420U 420U 420U 420U 420U 420U 420U 420U	1200 1200	10,000 50,000 NA NA NA 10,000 68,000 100,000 100,000 1,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 100,000 NA 18 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene isig2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene (4,6-Trichlorophenol -(4,5-Trichlorophenol -(5-Dinitorophenol -(5-Dinitorophenol -(6-Dinitorolluene -(6-Dinitorolluene -(6-Dinitorolluene -(6-Dinitorolluene -(7-Dinitorolluene -(8-Dinitorolluene -(8-Dinitorolluene -(8-Dinitorolluene -(8-Dinitorolluene -(8-Dinitorophenol -(8-Dinitorolluene -(8-Dinitorollue			420U 420U 420U 420U 420U 420U 420U 420U	1200 1200 1200 1200 1200 1200 1200 1200	10,000 50,000 NA NA NA 10,000 68,000 100,000 230,000 1,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 50,000 44 1,000 16 10,000 NA 1,000 NA
(4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline Iezachlorobutadiene isig'-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) Iezachlorocyclopentadiene (A,6-Trichlorophenol -Chloronaphthalene Dimethyl phthalate Normaphthalene Dimethyl phthalate Normaphthylene (A-Dimitrobluene Cenaphthylene (A-Dimitrobluene Dimitrobluene			420U 420U 420U 420U 420U 420U 420U 420U	1200 1200 1200 1200 1200 1200 1200 1200	10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 10,000 10,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 (4-Dichlorophenol 2,4-Trichlorobenzene Naphthalene -Chloroaniline lezachlorobutadiene isig2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene (4,6-Trichlorophenol -(4,5-Trichlorophenol -(5-Dinitorophenol -(5-Dinitorophenol -(6-Dinitorolluene -(6-Dinitorolluene -(6-Dinitorolluene -(6-Dinitorolluene -(7-Dinitorolluene -(8-Dinitorolluene -(8-Dinitorolluene -(8-Dinitorolluene -(8-Dinitorolluene -(8-Dinitorophenol -(8-Dinitorolluene -(8-Dinitorollue

:

:

Sample ID: BST-2-95-C-0.0 Lab ID: BST2C0 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result	Bulk Sedimen Criteria ug/kg
Senzo(b)(luoranthene			420U	410 3	900
enzo(k)fluoranthene			420U	450	900
Вспхо(а)рутеле (ВаР)			420U	620	230
ndeno(1,2,3-cd)pyrene			420U	230 J	900
Dibenz(a,h)anthracene			420U		31
anzo(g,h,i)perylane	- 	1	420U	200 J	NA
-nitrosodimethylamine			4200U		NA
enzidine			4200U		NA_
2-Diphenylhydrazine			4200U		NA
enzyl Alcohol			420U	-	50,000
ESTICIDES/PCBS (SW846 8080):					
olding time: 14 days to extract, 40 days to analyze	05/08/95	05/14/95		i i	
pha-BHC	1 03:0075		200		NA
ta-BHC			20U		NA
Ala-BHC			200		NA
mma-BHC (Lindane)			20U		520
cotschlor		 	200	<u> </u>	150
drin	 	 	200	 	40
eptschlor Epoxide		 	200	 	NA
ndosulan l		 	20U		50,000
eldrin		 	400	 	11
			400	 	2,000
I-DDE			40U		42
idnin		I	400	 	50 000
idosulfan II		_	40U	 	50,000 3,000
(-DDD (p.p'-TDE)	-}	 	400	 	50,000
idosulan Sulfate		 	400		2,000
PDDT		<u> </u>	2000	 	50,000
ethoxychlor		ļ	400	 	NA
ndrin Ketone			400	 	NA
dnin Aldehyde			200		NA NA
pha-Chlordane		<u> </u>	200	 	NA NA
mma-Chlordane		ļ	40U	 	- NA
irex			400U	 	100
exaphete 1016			2000		29
ocior-1016		 	2000	 	29
roclor-1221	- 	ļ	2000		29
roclor-1232		ļ 	200U		29
roclor-1242		ļ	2000		29
oclor-1248		ļI	2000		29
octor-1254 octor-1260	 		200U		29
0.0101-1200			2000		
ORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
olding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
ntimony				450 BN	14,000
senic				4,100 N	8,000
rium				47,300	700,000
zyllium.			20U		1,000
dniun				150 B	1,000
romium				18,700	33,000
pper				6,400	28,000
ed				7,300	21,000
roury	5/22/95, 5/23/95	5/22/95, 5/24/95	120U		100
જેલ				11,900	20,900
aium			2600		63,000
ver				100 BN	500
allium				800 B	2,000
nadium				17,600 44,500	370,000
uc				44,500	000,88
ORGANICS - OTHER (Results in me/ke DW);	 				
tal Organic Carbon (LOI)		5/19/95, 5/23/95		2,663	NA
anide		5/13/95, 5/16/95	0.50		1,100
pisture, in Percent				20.00	NA
RAIN SIZE:	 				
sults in % Recovery		5/26/95, 5/27/95			
eve #4				0.0	
ve#10				0.6	
ve #40				3.3	
ve #200				64.5	
ults in Relative %					
				17.3	
ay				14.3	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: BST-2-95-C-0.75 Lab ID: BST2C1 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ng/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
YOLATILE ORGANICS (SW846 8240):					
Holding times 14 days Accord		5/10/95	120		100,000
Acrolain			1200		NA.
Acytonitrile Bergne			120U 12U		1,000
Bromodichloromethane			120		1,000
Bromoform Bromomethane			120		1,000
2-Butanone (MEK)		 	120		1,000 50,000
Carbon Tetrachloride			120		1,000
2-Chloroethylvinylether Chloroberzene	· 		12U 12U		NA 1,000
Chloroethane			12U		NA
Chloroform Chloromethane			120		1,000
1,2-Dichloropropane			12U 12U		10,000
1,1-Dichloroethane 1,2-Dichloroethane			120		10,000
1,1-Dichloroethene			12U 12U		1,000
Dibromochloromethane	· .		120		1,000
1,2-trans Dichloroethylene 1,2-cis Dichloroethene	 		12U 12U		50,000 1,000
cis-1,3-Dichloropropene			120		1,000
trans-1,3-Dichloropropene Ethylbenzene			120		1,000
2-Heranono			12U 12U		100,000 NA
4-Mahyl-2-Pantanone (MIBK)			120		50,000
Methylene Chloride Styrene			120	3.5	1,000 23,000
Tetrachloroethylene			120		
1,1,2,2-Tetrachloroethane Toluene			120		1,000
1,1,1-Trichloroethane			12U 12U		500,000 50,000
1,1,2-Trichloroethane			120		1,000
Trichloroethene (TCB) Vinyl Chloride			120		1,000
Xylcac (Total)			120		10,000
1,1,1,2-Tetrachloroethane			120		1,000
					
SEMIYOLATILE ORGANICS (SW846 8270):					
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/26/95			
Phenol Dis(2-chloroethyl)ether			390U		50,000
2-Chlorophenol			390U 390U		660 10,000
3-Dichlorobenzene			390U		100,000
,4-Dichlorobenzene ,2-Dichlorobenzene			390U 390U		100,000 50,000
-Mahyiphanol			390U		2,800,000
nis(2-chloroisopropyl)ether I-Methylphenol			390U 390U		10,000 2,800,000
N-Nitroso-di-n-propylamine			3900		<u> </u>
exachioroethane			390U		6,000
sophorone			390U 390U		10,000 50,000
-Nitrophenol			390U		NA
4-Dimethylphenol 4-Dichlorophenol			390U 390U		NA 10,000
,2,4-Trichlorobenzene			3900		68,000
laphthalene Chloroaniline			390U		100,000
exachlorobutadiene			390U 390U		230,000 1,000
is(2-Chloroethoxy)methane					NA NA
-Chloro-3-methylphenol (p-chloro-m-cresol) [exachlorocyclopentadiene			390U		
4,6-Trichlorophenol			390U		100,000
			390U 390U 390U		100,000 100,000 10,000
Trichlorophenol 4,4			390U 390U 390U 2000U		100,000 100,000 10,000 50,000
A5-Trichlorophenol Chloronaphthalene imethyl phthalate			390U 390U 390U 2000U 390U		100,000 100,000 10,000 50,000 NA
A_Trichlorophenol Chloropaphthalene imethyl phthalate conaphthylene			390U 390U 390U 2000U 390U 390U 390U		100,000 100,000 10,000 50,000 NA 50,000 44
ASTrichlorophenol Chloropaphthalene imethyl phthalate comaphitylene 6-Dinitrotoluene			390U 390U 390U 2000U 390U 390U 390U 390U 390U		100,000 100,000 10,000 50,000 NA 50,000 44 1,000
4.5-Trichlorophenol Chloropaphthalene imethy phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol			390U 390U 390U 2000U 390U 390U 390U 390U 390U 390U 2000U		100,000 100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16
A_Trichlorophenol Chlorophthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol			390U 390U 390U 2000U 390U 390U 390U 390U 390U 2000U		100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 NA
4.5-Trichlorophenol Chlorophulalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol ADinitrophenol Littophenol		390U 390U 390U 2000U 390U 390U 390U 390U 390U 390U 2000U		100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 NA 1,000	
4.5-Trichlorophenol Chloropaphthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol 4-Dinitrotoluene inthylphthalate Chlorophenyl-phenylether			390U 390U 390U 2000U 390U 390U 390U 390U 2000U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 NA 1,000
4.5-Trichlorophenol Chlorophthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol 4-Dinitrotoluene idhylpithalate Chlorophenyl-phenylether uorene			390U 390U 390U 2000U 390U 390U 390U 390U 390U 2000U 2000U 2000U 390U 390U 390U 390U 390U		100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 1,000 NA
4.5-Trichlorophenol Chloropaphthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol 4-Dinitrotoluene idthylphthalate Chlorophenyl-phenylether uorane 6-Dinitro-2-methylphenol Nitroscoliphenylamine			390U 390U 390U 2000U 390U 390U 390U 390U 2000U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA
4.5-Trichlorophenol Chloropaphthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol 4-Dinitrotoluene eithylphthalate Chlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenylanine Bromophenyl-phenylether			390U 390U 390U 2000U 390U 390U 390U 390U 390U 2000U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 1,000 18 NA
4.5-Trichlorophenol Chloropaphthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol 4-Dinitrotoluene tethylphthalate Chlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenylether totalene Eromophenyl-phenylether taschlorophenyl-phenylether taschlorophenyl-phenylether taschlorophenol			390U 390U 390U 2000U 390U 390U 390U 390U 2000U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 1,000 50,000 NA 1,000 50,000 NA
4.5-Trichlorophenol Chloronaphthalene imethyl phthalate cernaphthylene 6-Dinitrotoluene cernaphthene 4-Dinitrotoluene cernaphtene 4-Dinitrotoluene inthylphenol Nitrophenol A-Dinitrotoluene inthylphthalate Chlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether crachlorobenzene ctachlorophenol crachlorophenol crachlorop			390U 390U 390U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 100,000 100,000 100,000 NA 50,000 44 11,000 16 10,000 NA 11,000 50,000 NA 18 NA 100,000 NA 100 00 NA 100 NA
4.5-Trichlorophenol Chlorophenol Chlorophthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol Abinitrotoluene iethylphthalate Chlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitroschiphenyl-phenylether sorene 8-Dinitro-2-methylphenol Nitroschiphenyl-phenylether zachlorobenzene zachlorobenzene mtachlorophenol cenanthrene ithracene			390U 390U 390U 2000U 390U 390U 390U 390U 2000U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 130,000 NA 18 NA 130,000 NA 188 NA 660 6,000 NA 85
4.5-Trichlorophenol Chloronsphthalene imethyl phthalate censphthylene 6-Dinitrotoluene censphthylene 4-Dinitrotoluene 4-Dinitrotoluene ethylphthalate Chlorophenol Nitrophenol Onlorophenol Phinitrotoluene ethylphthalate Chlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether raschlorobenzene matchlorophenol censphenol		390U 390U 390U 2000U 390U 390U 390U 390U 390U 390U 2000U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 85 100,000 380	
4.5-Trichlorophenol Chloronaphthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene emaphthene 4-Dinitrotoluene ethylphthalate Chlorophenol Nitrophenol Othorophenol Polinitrotoluene ethylphthalate Chlorophenyl-phenylether uorene 5-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether zachlorophenol czachlorophenol czachlorophenol czantirene thracene -n-buylphthalate iorantirene ithracene -n-buylphthalate iorantirene			390U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 100,000 100,000 100,000 100,000 NA 50,000 44 11,000 16 10,000 NA 1,000 50,000 NA 18 NA 130,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 100,00
4.5-Trichlorophenol Chloronaphthalene imethyl phthalate cernaphthylene 6-Dinitrotoluene cernaphthene 4-Dinitrotoluene cernaphthore 4-Dinitrotoluene idthylphthalate Chlorophenol Nitrophenol Ohlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether raschlorobenzene attachlorophenol craschlorobenzene chlorophenol craschlorophenol clastification cl			390U 390U 390U 2000U 390U 390U 390U 390U 390U 2000U 2000U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 100,000 100,000 100,000 100,000 NA 50,000 44 1,000 16 10,000 NA 1,000 NA 1,000 NA 18 NA 1,000 NA 18 NA 1,000 NA 18 NA 1,000 NA 18 NA 1,000 NA 18 NA 1,000 NA 18 NA 1,0000 NA 18 NA 1,00,000 NA 18 NA 1,00,000 NA 18 NA 1,00,000 NA 18 NA 1,00,000 NA 18 18 NA 1,00,000 NA 1,00,000 NA 1,00,000 NA 1,00,000 NA 1,00,000 NA 1,00,000 NA 1,00,000 NA 1,00,000 NA 1,00,000 NA 1,00,000 1,00,000 1,00,000 1,00,000
4.5-Trichlorophenol Chloronaphthalene imethyl phthalate certaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrotoluene cenaphthene 4-Dinitrotoluene iethylphthalate Chlorophenol Nitrophenol Ohlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether czachlorophenol			390U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 100,000 100,000 100,000 100,000 NA 50,000 44 11,000 16 10,000 NA 1,000 50,000 NA 18 NA 130,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 100,00
4.5-Trichlorophenol Chloronaphthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrotoluene ethylphthalate Chlorophenyl-phenylether uorene 5-Dinitro-2-methylphenol Nitrosdiphenylamine Bronophenyl-phenylether uorene 5-Dinitro-2-methylphenol Nitrosodiphenylamine Bronophenyl-phenylether machlorophenol chantirene ethylphthalate chlorophenol chantirene ethylphthalate chlorophenol chantirene ethracene -n-burylphthalate rise Sylbenzylphthalate Filesone Sylbenzylphthalate Filesone Sylbenzylphthalate Filesone Sylbenzylphthalate			390U 390U 390U 390U 390U 390U 390U 390U		100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 18 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 100,000 100,000 2,000

3

1. 1.47.

Sample ID: BST-2-95-C-0.75		1		i	
Lab ID: BST2C1	1	Ĭ	Method Detection		Bulk Sediment
Sampling Date: 5/3/95	.	.	Limit	Result	Criteria
psizo(b)fluoranthene	Date Extracted	Date Analyzed	82/k≥ DW 390U	ug/kg DW	<u>υε/κε</u> 900
Bezzo(k)fluoranthene			3900		900
Benzo(a)pyrene (BaP)		 	390U	44 J	230
indeno(1,2,3-cd)pyrene		 	390U		900
Dibenz(a,h)anthracene			390U		31
Benzo(g,h,i)perylene			390U		NA
N-nitrosodimethylamine		ļ	39000		NA NA
Benzidine		ļ	3900U	·	NA NA
1.2-Dipherrylhydrazine Berzyl Alcohol		ļ	3900U 390U		NA 50,000
Bazyi Alcohoi			3900		30,000
PESTICIDES/PCBS (SW846 8080):		 			
•			<u>[</u>	I	•
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/13/95			
elpha-BHC	_	 	90		NA NA
beta-BHC detta-BHC	_	ļ—————	90		NA NA
ramma-BHC (Lindane)			9U 9U		NA 520
Heptachlor (Elitoarie)			90		150
Aldrin	_	 	90		40
Heptachlor Epoxide		 	90		NA.
Endosul fan I			ýŬ		50,000
Dieldrin			190		iı —
4,4'-DDB			19U		2,000
Endrin			190		42
Endosulfan II		 	19U		50,000 3,000
4,4'-DDD (p,p'-TDE) Endosul fan Sul fate		ļ	190		50,000
4.4-DDT		 	190		2,000
Methoxychlor		 	940		50,000
Endrin Ketone			190		NA.
Endrin Aldehyde			190		NA
alpha-Chlordane			90		NA
camma-Chlordane			90		NA.
Mirex			190		NA NA
Toxaphene Arcelor-1016			1900		100
Aroclor-1016			94U 94U		29
Aroclor-1232			940		29
Aroclor-1242			940		29
Aroclar-1248		 	94 Ü		29
Aroclor-1254			94U		29
Aroclor-1260			94U		29
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Antimory	an except rig	an except rix	400U	400 UN	14,000
Arsenic			7000	770 BN	8,000
Berium				6,500 B	700,000
Eayllium				260 B	1,000
Cadmium			30U		1,000
Chromium				3,600	33,000
Copper	 			3,400	28,000
Lead Mercury	5/22/95, 5/23/95	SHOWS SHAME	120U	1,300	21,000 100
Nickel	JI LE 23, 31 L3/93	3124193	1200	1,600 B	20,900
Selenium			2400	- 4,000 5	63,000
Silver			700	אט סל	300
Thallium			380U		2.000
Vanadium				8,200	370,000
Zine				8,600	68,000
	J				
INORGANICS - OTHER (Results in mg/kg DW):			. 1	j	
Total Organic Carbon (LOI)		5/19/95, 5/23/95	I	976	NA
Cyanide		5/13/95, 5/16/95	0.50		1,100
Moisture, in Percent				15.00	NA
an in order					
GRAIN SIZE:			1		
Results in % Recovery	1	<u>5/26/95, 5/27/95</u>			
Sieve#4 Sieve#10				0.0	
Sieve #40	 			0.0	
Sieve #200	 	···-		40.4	
	 				
Results in Relative %	1				
Silt				39.1	
Clay .				19.4	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: CRC-1-95-C-0.0 Lab ID: CRC-1C0			Method Detection		Bulk Sediment
Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Limit ng/kg DW	Result ug/kg DW	Criteria vg/kg
YOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days Acctone		5/9/95	260		100000
Acrolein		 	2600		100,000 NA
Acrylonitrile			260U		1,000
Bromodichloromethane			26U 26U	+	1,000
Bromoform			260		1,000
Bromomethane 2-Butanone (MEK)		 	26U 26U	 	1,000 50,000
Carbon Tetrachloride 2-Chloroethylvinylether			260		1,000
Chlorobenzine		 	26U 26U	+	NA 1,000
Chloroethane			260		NA V AAA
Chloroform Chloromethane			26U 26U		1,000
1,2-Dichloropropane			260		10,000
1,1-Dichloroethane 1,2-Dichloroethane		 	26U 26U		1,000
1,1-Dichloroethene			26U		8.000
Dibromochloromethane 1,2-trans Dichloroethylene	+	 	26U 26U	 	1,000 50,000
1,2-cis Dichloroethene			26U		1,000
cis-1,3-Dichloropropene trans-1,3-Dichloropropene			26U 26U	-{	1,000
Ethylbenzene			260	3 J	100,000
2-Hexanone 4-Methyl-2-Pentanone (MIBX)		 	26U 26U	 	50,000
Mathylane Chloride			31000	61	1,000
Styrene Tetrachloroethylene			26U 26U		23,000 1,000
1,1,2,2-Tetrachloroethane			260		1,000
Tolucne 1.1.1-Trichloroethane		5/12/95 rerun	31000	6700 D	500,000 50,000
1,1,2-Trichloroethane	<u></u>		26U 26U	<u> </u>	1.000
Trichloroethene (TCE)			260		1,000
(Virryl Chloride Xylenes (Total)			26U 26U	97	2,000 10,000
1,1,1,2-Tetrachloroethane			260		1,000
				 	
SEMIVOLATILE ORGANICS (SW846 8270):					
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/21/95			
Phenol bis(2-chloroethyl)ether			850U 850U	 	50,000 660
2-Chlorophenol			850U		10,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene			850U 850U		100,000
1,2-Dichlorobenzene			850U		50,000
2-Methylphenol bis(2-chloroisopropyl)ether			850U		2,800,000
4-Methylphenol			850U 850U	360 J	10,000 2,800,000
N-Nitroso-di-n-propylarnine Hexachloroethane			850U		660 6,000
Nitrobenzene	- 		850U 850U	 	10,000
Isophorone			85OU		50,000
2-Nitrophenol 2,4-Dimethylphenol	 		850U 850U		NA NA
2,4-Dichlorophenol 1,2,4-Trichlorobertzene			850U		10.000
Naphthalene			850U 850U	110 7	68,000 100,000
4-Chloroaniline Hexachlorobutadiene			850U		230,000
bis(2-Chloroethoxy)methane			850U 850U	<u> </u>	1,000 NA
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene	+		850U 850U		NA 100,000 100,000
74,6-Trlorophenol 24,5-Trichlorophenol			830U		10,000
2,4,5-Trichlorophenol 2-Chloronaphthalene	 		4300U 850U		50,000 NA
Dimethyl phthalate			8500		50,000
Acensphithylene 2.6-Dinitrotoluene			850U 850U		1,000
Acensphthene			850U		16
2,4-Dinitrophenol 4-Nitrophenol			4300U 4300U		10,000 NA
2,4-Dinitrotoluene			850U	<u></u>	1,000
Diethylphthalate 4-Chlorophenyl-phenylether	+		8500		50,000
Fluorene			850U 850U		NA 18
4.6-Dinitro-2-methylphenol			4300U		NA
N-Nitrosodiphenylamine I-Bromophenyl-phenylether			850U		100,000 NA
Hexachlorobenzene			8500		660
Pantachlorophenol			4300U 850U	430 J	6,000 NA
Anthrecene	1		850U	-140-J	85
Di-n-butylphthalate Tuoranthene	 		850U 850U	240 J	100,000 380
Yrane			850U	820 J	290
Sutylbenzylphthalate 3'-Dichlorobenzidine	 		850U 1700U		100,000 2,000
denzo(a)anthracene			850U	400 J	160
Jurysone	1		850U	1645 4 520 J	220 49,000
Bis(2-Ethylhexyl)phthalate N-n-octylphthalate			850U 850U	3500 150 J	100,000
					

:

Section of the

A

;

Completion CPC 1 05 C 0 0		T			1
Sample ID: CRC-1-95-C-0.0 Lab ID: CRC1C0		1	Method Detection	l ·	Bulk Sediment
Sampling Date: 5/1/95		1	Limit	Result	Criteria
Sidilipining Date: G1755	Date Extracted	Date Applyant	ne/ke DW	ng/kg DW	ug/ke
Benzo(b)lluoraninene	Ivate Extracted	Date Anantard	8500	500 1	900
Benzo(k) Buoranthene			850U	370 J	900
Benzo(a)pyrene (BaP)	 	1	850U	1 460 J	230
Indepo(1,2,3-cd)pyrene			_ 850U	160 J	900
Indexo(1,2,3-cd)pyrene Dibertz(a,h)anthracene			830U		31
Bazo(g,h,i)paylane			8500	200 3	NA NA
N-nitrosodimethylamine		ļ <u>-</u>	8500U		NA
Benzidine		ļ 	85000		NA NA
I_2-Diphenylhydrazine		 	8500U 850U	 	NA 50,000
Berzyl Alcohol	 		8300	 	30,000
	- 				
PESTICIDES/PCBS (SW846 8080):	1	ł	1 .	ł	ŀ
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/24/95	I		
alpha-BHC			410		NA.
beta-BHC			410		NA
delta-BHC			410		NA
gamma-BHC (Lindane)			410	ļ	520
Heptachlor			410	ļ	150
Aldrin			410	ļ	40
Heptachlor Epoxide			4)0	ļ	NA COMO
Endosulfan I			410	ļ	50,000
Dieldrin			82U		3 000
4.4'-DDB	 		82U	72 J	2,000
Endrin		 	82U 82U	ļ	42 50,000
Endosulian II	 		82U 82U		3,000
4,4'-DDD (p,p'-TDE) Endosulfan Sulfate	 		82U 82U	 	50.000
			820	 	2,000
4,4-DDT Methoxychlor		 	4100	 	50,000
Endrin Ketone	 	 	820	 	NA NA
Endrin Aldehyde			820	<u> </u>	NA NA
alpha-Chlordane	 	 	410		NA NA
garrina-Chlordane	 		410		NÃ -
Mirex	 		82U		NA NA
Toxaphene	 		820U		100
Aroclor-1016			410U		29
Aroclor-1221			4100		29
Aroclor-1232			410U		29
Aroclor-1242			410U		29
Aroclor-1248			4100		29
Aroclor-1254	1		4100	10 Jan	29
Aroclor-1260			4100		29
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95		1	
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Antimony	air except rig	All CACCOLLINE		1,900 BN	14,000
Arsenic	 			10,900 Nes	8,000
Barium	†			188,000	700,000
Bayllium	1			590 B	1,000
Cadmium	1			3300	1,000
Chromium	1			64300	33,000
Соррег				64,300 × 79,700	28,000
Lead				103,000	21,000
Mercury	5/22/95, 5/23/95	5/22/95, 5/24/95		**************************************	100
Nickel				30,600	20,900
Selenium				1,900	63,000
Silver				2,400 BN	500
Thallium	J			3,100	2,000
Vanadium				49,800	370,000
Zinc				452,000	68,000
	ļ				
INORGANICS - OTHER (Results in mg/kg DW):	1 1			i i	
Total Organic Carbon (LOD)	J l	5/19/95, 5/23/95		100,591	NA
Cyanide		3/13/95, 5/16/95	0.50		1,100
Moisture, in Percent				56.00	NA.
GRAIN SIZE:					
Results in % Recovery	j j	5/26/95, 5/27/95		l	
Sieve #4	 			0.0	
Sieve #10	 			0.0	
Sieve #40	1			3.4	
Sieve #200	 			9.2	
Results in Relative %	I (
Sili				85.7	
Clay				1.7	
	1				

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: CRC-1-95-C-3.5 Lab ID: CRC1C3 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit vg/kg DW	Result ve/kg DW	Bulk Sediment Criteria ug/kg
YOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days		5/10/95	180	<u> </u>	100,000
Acrolein	 	ļ	1800	 	NA NA
Acrylonitrile			180U		1,000
Benzene Bromodichloromethane	-		18U		1,000
Bromoform			180	ļ	1,000
Bromomethane 2-Butanone (MEK)	 		18U 18U	 	50,000
Carbon Tetrachloride			18U 18U		1,000 NA
2-Chloroethylvinylether Chlorobenzene	 		180		1,000
Chloroethane			18U 18U		NA 1,000
Chloroform Chloromethane	 		18U		10,000
1,2-Dichloropropane			18U 18U		10,000
1,1-Dichloroethane 1,2-Dichloroethane	 		180		1,000
1,1-Dichloroethene			18U 18U		8,000 1,000
Dibromochloromethane 1.2-trans Dichloroethylene			180	 	50,000
1,2-cis Dichloroothene			18U		1,000
cis-1,3-Dichloropropene trans-1,3-Dichloropropene	 	<u> </u>	18U		1,000 1,000
Ethylbenzene			18U		100,000
2-Hexanone 4-Methyl-2-Pentanone (MIBK)	 		18U 18U	 	NA 50,000
Methylene Chloride			18U		1,000
Styrene Tetrachloroethylene	ļ		18U	 	23,000 1,000
1,1,2,2-Tetrachloroethane			18U		1,000
Toluene 1,1,1-Trichloroethane	 		18U 18U		500,000 30,000
11,1,2-Trichloroethane	 		18U		1,000
Trichloroethene (TCE)			18U 18U		1,000 2,000
Vinyl Chloride Xylenes (Total)	 		180		10,000
1,1,1,2-Tetrachlorocthane			18U		1,000
SEMIVOLATILE ORGANICS (SW846 8270);					
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/21/95			
Phenol			620U		50,000 660
bis(2-chloroethyl)ether 2-Chlorophenol			620U 620U	 	10,000
1,3-Dichlorobenzene			620U 620U		100,00 0 100,00 0
1,4-Dichlorobenzene 1,2-Dichlorobenzene	4	i •			
					50,000
2-Methylphenol			620U 620U		50,000 2,800,000
2-Methylphenol bis(2-chloroisopropyl)ether			620U	320 J	50,000 2,800,000 10,000 2,800,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine			620U 620U 620U 620U 620U	320 J	50,000 2,800,000 10,000 2,800,000 660
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane			620U 620U 620U 620U	320 J	50,000 2,800,000 10,000 2,800,000 660 6,000 10,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nirrobenzene Isophorone			620U 620U 620U 620U 620U 620U 620U 620U	320 J	50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobertzene Lisopherone 2-Nitrophenol			620U 620U 620U 620U 620U 620U 620U	320 J	50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isopherone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dichlorophenol			620U 620U 620U 620U 620U 620U 620U 620U	320 J	50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Herschloroethane Nitroberzene Isopho-one 2-Nitrophenol 2,4-Dinethylphenol 1,24-Trichlorobenzene			620U 620U 620U 620U 620U 620U 620U 620U	320 J	50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA NA 10,000 68,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Trichloroberzene Naphthalene Naphthalene			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 10,000 230,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Herschloroethane Nitroberzene Isopho-one 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dichlorophenol 1,2,4-Trichloroberzene Naphthalene 4-Chloroaniline Herschlorobutsdiene			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Tinchloroberzene Naphthalene 4-Chloroaniline Hexachlorobutatione bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA 10,000 68,000 100,000 230,000 1,000 NA
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocthane Nitroberizene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dichlorophenol 1,2,4-Trichloroberizene Naphthalene Naphthalene Hexachlorobutadiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA NA 10,000 68,000 100,000 1,000 NA 10,000 100,000 1,000
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-4-Dinethylphenol 2-4-Dichlorophenol 1-2-4-Trichloroberzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis/2-Chloroethoxy/methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2-4-6-Trichlorophenol 2-4-5-Trichlorophenol			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA NA 100,000 100,000 1,000 100,000 100,000 100,000 100,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hesschloroethane Nimbertzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichlorobentzene Naphthalene 4-Chloroaniline Hesschlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hesschlorocylopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloroanphthalene			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 660 6,000 10,000 NA NA 10,000 68,000 100,000 100,000 100,000 100,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dinethylphenol 2-4-Dichlorophenol 1,2-4-Trichloroberzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis/2-Chloroethoxy methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2-4,6-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Accumphthylene			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 100,000 1,000 10,000 10,000 100,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Trichloroberzene Naphthalene 4-Chloroaniline Hexachlorobutatione bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocylopenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4,6-Trichlorophenol 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA NA 10,000 68,000 100,000 1,000 NA 100,000 1,000 NA 100,000
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dinethylphenol 2-4-Dichlorophenol 1,2-4-Trichloroberzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis/2-Chlorothoxymethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis/2-Chloronphenol 2-4-5-Trichlorophenol 2-4-5-Trichlorophenol 2-4-5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,6-Dinitrotoluene			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 230,000 1,000 10,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichloroberzene Naphthalene 4-Chloroaniline Hexachlorobutatione bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachloroethoxy)methane 2,4,6-Trichlorophenol 2,4,6-Trichlorophenol 2,4,6-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthene 2,6-Dinitrotoluene Acenaphthene 2,4-Dinitrotoluene Acenaphthene 2,4-Dinitrotoluene Acenaphthene 2,4-Dinitrophenol 4-Nitrophenol			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 660 6,000 10,000 NA NA 10,000 66,000 100,000 NA 100,000 100,000 NA 100,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dinethylphenol 2-4-Dichlorophenol 1,2-4-Trichloroberzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis/2-Chlorothoxymethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis/2-Chloronphenol 2-4-5-Trichlorophenol 2-4-5-Trichlorophenol 2-4-5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,6-Dinitrotoluene			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA NA 10,000 100,000 100,000 1,000 NA 100,000 1,000 1,000 100,
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorochane Nitroberzone Isophorone 2-Nitrophenol 2-A-Dinethylphenol 2-4-Dinethylphenol 2-4-Trichloroberzone Naphthalene 4-Chloroaniline Hexachlorochtadiene bis/2-Chlorochtoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2-4,6-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitrotoluene Dimethylphthalate Acenaphthylene 2,4-Dinitrotoluene Dimethylphthalate 4-Chlorophenyl-phenylether			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 NA 100,000 NA 1000 NA 1000 NA 1,000 NA 1,000 NA 1,000 NA 1,000
2-Methylphenol bis(2-chlorosisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Trichlorobenzene Naphihalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorobutadiene 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,5-Dinitrotoluene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthene 2,4-Dinitrophenol 2,4-Dinitrotoluene Acenaphthologuenel Acenaphthologue			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA NA 10,000 100,000 100,000 1,000 NA 100,000 1,000 1,000 100,
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorochane Nitroberzone Isophorone 2-Nitrophenol 2-A-Dinethylphenol 2-4-Dinethylphenol 2-4-Trichloroberzone Naphthalene 4-Chloroaniline Hexachlorochtadiene bis/2-Chlorochtoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2-4,6-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Chloronaphthalate 4-Chloronaphthalate 4-Chlorophenyl-phenylether Fiuorene 4-Chlorophenyl-phenylether Fiuorene 4-Chlorophenyl-phenylether Fiuorene 4-Chlorophenyl-phenylether Fiuorene			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 NA 100,000
2-Methylphenol bis(2-chlorosisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Trichlorobenzene Naphihalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Dinitrotoluene Dimethyl phthalate Acenaphthylene 2,4-Dinitrotoluene Acenaphthoene 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether 1-Dinitro-2-methylphenol 1-Nitrosodiphenylamine 4-Bromophenyl-phenylether			620U 620U 620U 620U 620U 620U 620U 620U		50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA 10,000 NA 10,000 10,000 10,000 NA 1,000 10,000 16 10,000 NA 1,000 18 18 NA
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorochane Nitroberzone Isophorone 2-Nitrophenol 2-A-Dinethylphenol 2-4-Dinethylphenol 2-4-Trichloroberzone Naphthalene 4-Chloroaniline Hexachlorobutadiene bis/2-Chlorochtoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2-4,6-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Chloronphenyl-phenylether Fluorene 4-Coloronphyl-phenylether Fluorene 4-G-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorobenzene			620U 620U 620U 620U 620U 620U 620U 620U	68 J	50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 1,000 NA
2-Methylphenol bis(2-chlorosisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Dichlorophenol 1,2,4-Trichloroberzene Naphihalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Dinitrotoluene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthene 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrophenol 1,4-Dinitrophenol 1,4-Dinitrophenol 1,4-Dinitrophenol 1,4-Dinitrophenol 1,4-Dinitrophenol 1,4-Dinitrophenol 1,4-Dinitrophenol 1,4-Dinitro-2-methylphenol 1,5-Dinitro-2-methylphenol 1,			620U 620U 620U 620U 620U 620U 620U 620U	350 J	50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA NA 10,000 100,000 1,000 100,000 1,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 NA 1,000 100,000 NA 1,000 116 110,000 NA 1,000 116 110,000 NA 1,000 118 NA 100,000 NA 18 NA 100,000 NA 18 NA
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nimoberzene Isophorone 2-Nitrophenol 2-Nitrophenol 2-1-Dichlorophenol 1, 2-1-Tichloroberzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis/2-Chloroethoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis/2-Chloronephenol 2-4, 5-Trichlorophenol 2-4, 5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2, 6-Dinitrotoluene Acenaphthylene 2, 4-Dinitrotoluene Acenaphthylene 4-Chlorophenol 2-Chloronaphthylene 4-Chlorophenol 1-Nitrosophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrosophenyl-phenylether Fluorene 4-Chlorophenyl-phenylether Hexachloroberzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate			620U 620U 620U 620U 620U 620U 620U 620U	350 J 350 J 370 J 370 J 370 J	50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 18 NA 100,000
2-Methylphenol bis(2-chlorosisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Dichlorophenol 1,2,4-Trichloroberzene Naphihalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Dinitrotoluene Dimethyl phthalate Accusphthylene 2,4-Dinitrotoluene Accusphthene 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol Nitrosodiphenyl-phenylether Huorene 4-Bromophenyl-phenylether Hexachlorobetzene Pentachlorobetzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene			620U 620U 620U 620U 620U 620U 620U 620U	350 J 93 J 93 J	50,000 2,800,000 10,000 660 6,000 10,000 50,000 10,000 668,000 10
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nimoberzene Isophorone 2-Nitrophenol 2-Nitrophenol 2-1-Dichlorophenol 1, 2-1-Tichloroberzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis/2-Chloroethoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis/2-Chloronephenol 2-4, 5-Trichlorophenol 2-4, 5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2, 6-Dinitrotoluene Acenaphthylene 2, 4-Dinitrotoluene Acenaphthylene 4-Chlorophenol 2-Chloronaphthylene 4-Chlorophenol 1-Nitrosophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrophenol 1-Nitrosophenyl-phenylether Fluorene 4-Chlorophenyl-phenylether Hexachloroberzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate			620U 620U 620U 620U 620U 620U 620U 620U	350 J 350 J 370 J 370 J 370 J	50,000 2,800,000 10,000 10,000 660 6,000 10,000 NA 10,000 NA 10,000 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 1,000 16 10,000 NA 1,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 S 100,000 NA 18 S 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Dichloroethane Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-Dinitrotoluene Acenaphthylene 2,6-Dinitrotoluene Acenaphthole 2,4-Dinitrotoluene Acenaphthole 2,4-Dinitrotoluene Diethylphthalate Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Hexachlorobertzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluorone Butylbenzylphthalate Fluoronethene Pyrene Butylbenzylphthalate Fluoronethene Pyrene Butylbenzylphthalate Fluoronethene Pyrene Butylbenzylphthalate Fluoronethene			620U 620U 620U 620U 620U 620U 620U 620U	350 J 350 J	50,000 2,800,000 10,000 660 6,000 10,000 NA 10,000 NA 10,000 10,000 10,000 NA 10,000 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dinethylphenol 2,4-Dinethylphenol 2,4-Dichlorophenol 1,2,4-Trichloroberzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxymethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chloroethoxymethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Dimethyl phthalate Dimethyl phthalate Acenaphthene 2,4-Dinitrotoluene Acenaphthene 2,4-Dinitrotoluene Diethylphthalate Diethylphthalate Altirophenol N-Nitrosodiphenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Hexachlorophenol Phenanthrene Prime Prime Butylbenzylphthalate 3,3-Dichloroberizidine Benzo(a) sinthracene			620U 620U 620U 620U 620U 620U 620U 620U	350 J 110 J 93 J 120 J 100 J 1	50,000 2,800,000 10,000 10,000 6660 6,000 10,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 NA 100,000 NA
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Dinethylphenol 2,4-Dichloroethane Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-Dinitrotoluene Acenaphthylene 2,6-Dinitrotoluene Acenaphthole 2,4-Dinitrotoluene Acenaphthole 2,4-Dinitrotoluene Diethylphthalate Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Hexachlorobertzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluorone Butylbenzylphthalate Fluoronethene Pyrene Butylbenzylphthalate Fluoronethene Pyrene Butylbenzylphthalate Fluoronethene Pyrene Butylbenzylphthalate Fluoronethene			620U 620U 620U 620U 620U 620U 620U 620U	350 J	\$0,000 2,800,000 10,000 10,000 660 6,000 10,000 NA 10,000

Sample ID: CRC-1-95-C-3.5 Lab ID: CRC1C3 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ug/ke DW	Result	Bulk Sediment Criteria ug/kg
Benzo(b)lluoranthene			620U	360 J	900
Benzo(k)fluoranthene			6200	340 J	900
Benzo(a)pyrene (BaP)		<u> </u>	620U	300-341	230 900
Indeno(1,2,3-cd)pyrene		ļ	620U 620U	99 J	31
Dibenz(a,h)anthracene			620U	140 J	NA NA
Benzo(g,h,i)perylene			6200U	1407	NA NA
N-nitrosodimethylamine Benzidine		 	6200U	 	NA.
1.2-Diphenylhydrazine		 	6200U		NA
Benzyl Alcohol			6200		50,000
Darrit Beenet					
PESTICIDES/PCBS (SW846 8080):					
	acnone	05/24/95	İ	1	
Holding time: 14 days to extract, 40 days to analyze	05/08/95	U3/24/93	30U	 	NA
alpha-BHC beta-BHC			300	 	
delta-BHC		 	300		NA .
gamma-BHC (Lindane)			300	 	520
Heptachlor			30U	· · · · · · · · · · · · · · · · · · ·	150
Aldrin		T	30U		40
Heptachlor Epoxide			30U		NA
Endosulian I			30U		50,000
Dieldrin			39U		11
4,4'-DDB			390	77	2,000
Endrin	_		590	ļ	42
Endosulian II			59U	 	50,000
4,4'-DDD (p,p'-TDE)		 	39U 39U	 	3,000 50,000
Endosulfan Sulfate			390	 	2,000
4,4-DDT Methoxychlor			300U	 	50,000
Endrin Ketone			390	 	NA NA
Endrin Alderyde			390	1	NA NA
alpha-Chlordane			30U		NA
gamma-Chlordane			30U		NA
Mirex			59U		NA NA
Toxaphone			390U		100
Aroclor-1016		L	300U		
Aroclor-1221			3000		29
Aroclor-1232			300U		29
Aroclor-1242			300U 300U	 	29 29
Aroclor-1248	_}		300U	parameter as 1400 sec	29
Aroclor-1254 Aroclor-1260			300U		29
Aroctor-1200			3000		
THE POLITICAL PROPERTY AND THE POLITICAL CONTRACTOR	ruene.	cuent thins			
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95		1	
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Antimony				1,800 BN	14,000
Arsenic				10,500 N	8,000
Barium				189,000	700,000
Beryllium			<u> </u>	780 B	1,000 1,000
Cadmium		ļ		4,500	33,000
Chromium				95,900	28,000
Copper Lead	 			set 54 if 122,000 marter	21,000
Mercury	5/22/95 5/23/05	5/22/95, 5/24/95		390	100
Nickel				32,000	20,900
Selemium				1,200	63,000
Silver				3,600 N	500
Thallium					2,000
Vanadium				2,300 39,800	370,000
Zinc				#### 452,000 ## ##	68,000
				 	
INORGANICS - OTHER (Results in me/ke DW):	1			l <u> </u>	
Total Organic Carbon (LOI)	1	5/19/95, 5/23/95		79,389	NA
Cyanide		5/13/95, 5/16/95	0.50		1,100
Moisture, in Percent				46.00	NA
				 	
GRAIN SIZE:					
Results in % Recovery		5/26/95, 5/27/95			
Sieve #4				0.0	
Sieve#10				0.0	
Sieve #40				0.8	
Sieve #200				9.4	
Database M				 	
Results in Relative %	-}			73.1	
Sit				16.7	
Clay				10.7	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

CL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: CRC-2-95-C-0.0 Lab ID: CRC2C0 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result	Bulk Sediment Criteria vg/kg						
VO ATTLE ORGANICS (SW846 8240):											
Holding time: 14 days		05/08/95			<u> </u>						
Acctone			220	ļ	100,000 NA						
Acrolein Acrylonitrile	 		220U	 	1000						
Bazare			22U		1000						
Bromodichloromethane			22U 22U	 	1000						
Bromomethane	 		220	 	1000						
2-Butanone (MEK)			22[]		50,000						
Carbon Tetrachloride	ļ		22U 22U		1000 NA						
2-Chloroethylvinylather Chlorobenzene	 		220	 	1000						
Chloroethane			22U		NA .						
Chloroform			220		1000						
Chloromethane 1,2-Dichloropropane	 	 	22U 22U		10,000						
1,1-Dichlorocthane	 		220		10,000						
1,2-Dichloroethane			22U		1000						
1,1-Dichloroethene	ļ		22U 22U		8000 1000						
Dibromochloromethane 1,2-trans Dichloroethylene			220	 	50,000						
1,2-cis Dichloroethene			22U		1000						
cis-1,3-Dichloropropene			220		1000						
trans-1,3-Dichloropropene Ethylbertzene	 		22U 22U	 	1000						
2-Hexanone	 		22 U		NA.						
4-Methyl-2-Pentanone (MIBK)			22U		50,000						
Methylene Chloride	+		22U 22U	ļ	1000						
Styrene Tetrachloroethylene	 		220	 	1000						
1,1,2,2-Tetrachlorocthane	1		220		1000						
Tolucne			220		500,000						
1,1,1-Trichloroethane	 		22U 22U	 	50,000 1000						
Trichloroethene (TCB)			220		1000						
Vinyl Chloride			22U		2000						
Xylenes (Total)			220		10,000						
1,1,1,2-Tetrachlorocthane	 		220	 	1000						
	<u> </u>										
SEMIYOLATILE ORGANICS (SW846 8270):											
Holding time: 14 days to extract, 40 days to analyze	05/05/95	05/19/95	360011	 	50,000						
Phenol	05/05/95	05/19/95	3600U 3600U		50,000						
Phenol bis(2-chloroethyl)ether	05/05/95	05/19/95	3600U 3600U		10,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzae	05/05/95	05/19/95	3600U 3600U 3600U		10,000 100,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1.4-Dichlorobenzene	05/05/95	05/19/95	3600U 3600U 3600U 3600U		660 10,000 100,000 100,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	05/05/95	05/19/95	3600U 3600U 3600U		660 10,000 100,000 100,000 50,000 2,800,000						
Phenol bis(2-chlorocthyl)cther 2-Chlorophenol 1,3-Dichlorobenzase 1,4-Dichlorobenzase 1,2-Dichlorobenzase 2-Methylphenol bis(2-chloroisopropyl)cther	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U		660 10,000 100,000 100,000 50,000 2,800,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Lisophorone	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol Nitroso-din-propylamine Heaschloroethane Nitrobenzene Isophorone 2-Nitrophenol	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	14003	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000						
Phenol bis(2-chloroethyl)cther 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorane 2-Nitrophenol 2,4-Dimethylphenol	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	14003	660 10,000 100,000 50,000 2,800,000 2,800,000 660 660 6,000 10,000 50,000 NA NA						
Phenol bis(2-chlorocthyl)chter 2-Chlorophenol 1,3-Dichlorobenzane 1,4-Dichlorobenzane 1,2-Dichlorobenzane 1,2-Dichlorobenzane 1,2-Dichlorobenzane 1,2-Dichlorobenzane 1,2-Dichlorobenzane 1,2-Dichlorobenzane 1,2-Dichlorobenzane 1,3-Dichlorobenzane 1,3-Dichlorobenzane 1,3-Dichlorophenol 1,2-Dichlorophenol 1,2,4-Trichlorobenzane	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	14003	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Nabithalene	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	1400J	660 10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA NA 10,000 68,000 100,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Niroso-di-n-propylamine Hexachloroethane Nirobenzene Lophorone 2-Nirophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene Naphthalene Naphthalene	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N.Nitroso-di-n-propylamine Heaschloroethane Nitrobenzene Lisphorone 2-Nitrophenol 2,4-Dichlorophenol 1,2-4-Trichlorobenzene Naphthal ene 4-Chloroaniline Heaschlorobutadiene bis(2-Chloroethoxylmethane	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Niroso-di-n-propylamine Hexachloroethane Nirobenzene Lophorone 2-Nirophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene Naphthalene Hexachlorobutadiene bis(2-Chloroethoxy)methane Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)	05/05/95	05/19/95	3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 10,000 230,000 1,000 NA NA NO NO NO NO NO NA NA NO NO NO NO NO NA NA NO NO NO NO NO NA NA NO NO NO NO NA NA						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol Nitroso-di-n-propylamine Hexschloroethane Nitrobenzene Lisophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Tirchlorobenzene Naphthalene 4-Chloroaniline Hexschlorobutsdiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 80,000 NA NA 10,000 68,000 100,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Niroso-di-n-propylamine Hexachloroethane Nirobenzene Lophorone 2-Nirophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene Naphthalene Hexachlorobutadiene bis(2-Chloroethoxy)methane Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 10,000 NA NA 10,000 10,000 230,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 50,000						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol Niriroso-di-n-propylamine Hetschloroethane Nirirobenzene Lisophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hetschlorootusadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hetschlorooyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 1,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA NA 10,000 68,000 10,000 1,000 NA 100,000 1,000 NA 100,000 1,000 NA NA 100,000 NA NA 100,000 NA NA NA 100,000 NA NA NA NA NA NA NA NA NA NA NA NA NA						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorothoxy)methane 4-Chloro-a-methylphenol (p-chloro-m-cresol) Hexachlorocyclopenadiene 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopenadiene 2,4,6-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,5-Trichlorophenol	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 660 6,000 10,000 NA NA 10,000 10,000 10,000 10,000 10,000 10,000 NA NA 100,000 10,000 10,000 NA NA 100,000 10,000 NA NA 100,000 NA NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 50,000						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Lophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene Naphthalene Hexachlorobutsdiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronsphthalene Dimethyl phthalate Dimethyl phthalate Dimethyl phthalate	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA NA 10,000 68,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 10,000 100,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorothoxy)methane 4-Chloro-3-methylphenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Trichlorophenol 2,5-Dinitrotolusy phthalate Dimethyl phthalate Domethyl phthalate Accusphthylene 2,6-Dinitrotoluene Accusphthene	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 50,000 NA NA 10,000 230,000 11,000 10,000 10,000 11,000 10,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000 11,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Lophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene Naphthalene Hexachlorobutsdiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,5-Dinitrotoluene Acenaphthylene 2,5-Dinitrotoluene Acenaphthylene 2,4-Dinitrophenol	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 NA 10,000 10,000 230,000 10,000						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene lsophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene Hexachloroethane Naphthalene Hexachloroethopylmenol 1,2,4-Trichlorobenzene Naphthalene Hexachlorobensylmethane 4-Chloroaniline Hexachlorobensylmethane 2,4-Dichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloroanphthalene Dimethyl phthalate Acomphitylene 2,6-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA NA 10,000 68,000 100,000 1,000 100,000 NA						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroanilline Hexachlorobutadiene bis(2-Chlorothoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,5-Dinitrotoluene Accusphthylene 2,4-Dinitrotoluene Accusphthone 2,4-Dinitrotoluene Accusphthone 2,4-Dinitrotoluene Accusphthonel 2,4-Dinitrotoluene Accusphthonel 2,4-Dinitrotoluene	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 NA 10,000 10,000 230,000 10,000						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene lsophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene Hexachloroethane Naphthalene Hexachloroethopylmenol 1,2,4-Trichlorobenzene Naphthalene Hexachlorobensylmethane 4-Chloroaniline Hexachlorobensylmethane 2,4-Dichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloroanphthalene Dimethyl phthalate Acomphitylene 2,6-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol	05/05/95	05/19/95	3600U 3600U	14007	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA NA NA NA NA NA NA NA NA NA NA NA						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroanilline Hexachlorobutadiene bis(2-Chlorothoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,5-Dinitrotoluene Accusphthylene Accusphthylene Accusphthone 2,4-Dinitrotoluene Accusphthonel 2,4-Dinitrotoluene Accusphthalate Dinitrotoluene Accusphthalate Accusphthonel 2,4-Dinitrotoluene Dictylphthalate Accusphthalate Accusphthonel 2,4-Dinitrotoluene Dictylphthalate Accusphthalate	05/05/95	05/19/95	3600U 3600U	1400)	660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 660 6,000 10,000 NA NA 10,000 10,0						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitrose-di-n-propylamine Hesschloroethane Nitrobenzene Lophorone 2-Nitrophenol 1,2-4-Dichlorophenol 1,2-4-Dichlorophenol 1,2-4-Trichlorobenzene Naphthalene 4-Chloroaniline Hesschlorobutsdiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hesschlorocyclopentadiene 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Accusphthylene 2,6-Dinitrotoluene Accusphthylene 2,4-Dinitrotoluene Accusphthylene 2,4-Dinitrotoluene Diethylphthalate Diethylphthalate Diethylphthalate 4-Chlorophenol 2-Chlorophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Chlorophenyl-phenylether Fluorene 4-Chlorophenyl-phenylether	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 10,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 NA 100,000 1000 NA 118 NA						
Phenol bis(2-chloroethyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Lophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene Hexachlorobutsdiene Naphthalene Hexachlorobutsdiene bis(2-Chloroethoxy)methane 4-Chloro-a-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloromaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthope 2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA NA NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 10,000 NA 100,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitrose-di-n-propylamine Hesschloroethane Nitrobenzene Lophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Tinchlorobenzene Naphthalene 4-Chloroaniline Hesschlorobutsdiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hesschlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronsphthalene Dimethyl phthalate Aconsphthylene 2,4-Dinitrotoluene Aconsphthylene 2,4-Dinitrotoluene Diethylphthalate 1-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 1-Nitrophenol 2-Chlorophenol	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 NA						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Lophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloroaphthalene Dimethyl phthalate Acenaphthylene 2,4-Dinitrotoluene Acenaphthylene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrophenol 2,4-Dinitrotoluene Diethylphthalate Acenaphthose Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4-Chlorophenyl-phenylether Fluorene 4-Bromophenyl-phenylether Hexachlorophenyl-phenylether Hexachlorophenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorophenol	05/05/95	05/19/95	3600U 3600U	1400J	660 10,000 100,000 100,000 100,000 50,000 1,000 2,800,000 10,000 660 660 6,000 10,000 NA NA NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 10,000 NA 1,000 10,000 NA 1,000 NA						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisoprepyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichlorobenzene Nabithalene 4-Chloroanilline Hexachlorobutadiene bis(2-Chlorothoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorothoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dinitrotoluene Accuaphthylene 2,4-Dinitrotoluene Accuaphthane Dimethyl phthalate Accuaphthee 2,4-Dinitrotoluene Accuaphthane Districtoluene Accuaphthane Districtoluene Accuaphthane A-Chlorophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrosodiphenyl-phenylether Fluorene 4-Biomophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene	05/05/95	05/19/95	3600U 3600U	14007	660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 660 6,000 10,000 NA NA 10,000 10,0						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitrose-di-n-propylamine Hesschloroethane Nitrobenzene Lophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Tinchlorobenzene Naphthalene 4-Chloroaniline Hesschlorobutsdiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hesschlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronsphthalene Dimethyl phthalate Aconsphthylene 2,4-Dinitrotoluene Aconsphthylene 2,4-Dinitrotoluene Diethylphthalate 1-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 1-Nitrophenol 2-Chlorophenol	05/05/95	05/19/95	3600U 3600U		660 10,000 100,000 100,000 100,000 50,000 1,000 2,800,000 10,000 660 660 6,000 10,000 NA NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000	Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutasiene bis(2-Chlorothoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorothoxylmethane 2,4-Dinitrolophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dinitrolophenol 2,4-Dinitrolophenol 2,4-Dinitrolophenol 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Pluorene 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol	05/05/95	05/19/95	3600U 3600U	3355-700J 1987-5-1-1-1	660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 660 6,000 10,000 NA NA 10,000 10,0
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hesschloroethane Nitrobenzene Lophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hesschlorobutsdiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hesschlorocyclopentadiene 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-Dinitrotoluene Aconaphthylene 2,6-Dinitrotoluene Aconaphthylene 2,4-Dinitrotoluene Diethylphthalate Diethylphthalate Diethylphthalate 4-Chlorophenol 4-Nitrosodiphenyl-phenylether Fluorene 4-Bromophenyl-phenylether Hesschlorophenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Pensathlorophenol Phensnibrene Pentachlorophenol Phensnibrene Prince Prince Pyrene	05/05/95	05/19/95	3600U 3600U		660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000						
Phenol bis(2-chlorocthyl)chter 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocthane Nitrobenzene Lophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutsdiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Dinitrotoluene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,4-Dinitrotoluene Acenaphthylene 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol N-Nitrosodiphenyl-phenylether Fluorene 4-Bromophenyl-phenylether Pentachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Portne Butylbenzylphthalate Purene Butylbenzylphthalate	05/05/95	05/19/95	3600U 3600U	3355-700J 1987-5-1-1-1	660 10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 80,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 11,000 10,000						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene lsophorone 2-Nitrophenol 2,4-Dichlorobenzene Naphthalene	05/05/95	05/19/95	3600U 3600U	3355-700J 1987-5-1-1-1	660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000						
Phenol bis(2-chlorochryl)chter 2-Chlorophenol 1,3-Dichlorobernzene 1,4-Dichlorobernzene 1,4-Dichlorobernzene 1,4-Dichlorobernzene 2-Methylphenol bis(2-chloroisopropyl)chter 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorochtane Nitrobernzene Lophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobernzene Naphthalene 4-Chloroaniline Hexachlorobutsdiene bis(2-Chlorochtoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Dinitrotoluene Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,4-Dinitrotoluene Acenaphthylene 2,4-Dinitrotoluene Acenaphthylene 2,4-Dinitrotoluene Postylphthalate 4-Chlorophenyl-phenylether Fluorene 4-Gomitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Portne Butylphthalate Piucranthene Pyrene Butylphthalate Piucranthene Pyrene Butylphthalate Piucranthene Pyrene Butylphthalate Piucranthene Pyrene Butylphthalate Piucranthene Pyrene Butylphthalate Butylphthalate Butylphthalate Piucranthene Butylphthalate	05/05/95	05/19/95	3600U 3600U	700J	660 10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 NA						
Phenol bis(2-chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hesschloroethane Nitrobenzene lsophorone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dinethylphenol 1,2,4-Trichlorobenzene Nabithalene 4-Chloroaniline Hesschlorobutsidene bis(2-Chlorothoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hesschlorocyclopentadiene bis(2-Chlorothoxy)methane 4-Chloro-3-methylphenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Dimethyl phthalate Dimethyl phthalate Acenaphthylene 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol 4-Nitrophenol 4-Nitrosodiphenyl-phenylether Fluorene 4-G-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Hesschlorophenol Phensuthrene Pentachlorophenol Phensuthrene Pentachlorophenol Phensuthrene Phensuthrene Phensuthrene Phyrone Butylphthalate Pluoranthese Pyrene Butylphthalate Pyrene Butylphthalate Butzy(s)nitracene	05/05/95	05/19/95	3600U 3600U	連続-700J (単元) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	660 10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 NA 10,000 NA 1,000 10,000 NA 1,000 10,000 NA 1,000 10,000 NA 1,000						
ŧ

.

:

.....

Sample ID: CRC-2-95-C-0.0 Lab ID: CRC2C0 Sampling Date: 5/1/95 Benzo(b)fluoranthene	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg 900
Benzo(k)fluoranthene			3600U	3807	900
Всидо(а)ругеле (ВаР)		 	3600Ü	360)	230
Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene			3600U		900
Dibenz(a,h)anthracene			3600U		31
Berzo(g,h,i)perylane		ļ	3600U	 	NA NA
N-nitrosodimethylamine Benzidine	 	 	35000U 36000U	 	NA NA
1.2-Diphenylhydrazine		 	36000U	 	NA NA
Benzyi Alcohol	1.	 	3600U		50,000
PESTICIDES/PCBS (SW846 8080);					
Holding times 14 days to extract, 40 days to analyze alpha-BHC	05/05/95	05/15/95	\$2U		NA .
beta-BHC		 	320	 	NA NA
delta-BHC		 	320	 	NA.
gamma-BHC (Lindane)		 	320	1	520
Hoptechlor			52U		150
Aldrin	_	<u> </u>	520	ļl	40
Heptachlor Epoxide		 	520	 -	NA KO 000
ndosulfan I Dieldrin		 	52U 100U	 	50,000
A'-DDE	- 	 	1000	71 3	2000
ndrin		 	1000	 	42
Endosulfan II	 	1	100U		50,000
,4'-DDD (p,p'-TDE)			1000		3000
Endosulfan Sulfate			1000		50,000
I,4'-DDT			100U		2000
Methoxychlor		ļ	520U	 -	50,000
ndrin Ketone odrin Aldebyde		 	100U 100U	 	NA NA
Joha-Chlordane		 	320		NA NA
amma-Chlordane		 	320	 	NA NA
Mirex		1	100U		NA
Toxaphene			1000U		100
Aroclar-1016	-		520U	I	29
Aroclor-1221	 		520U		29
Aroclor-1232 Aroclor-1242			5200	 	29 29
urocior-1242 urocior-1248	- 	 	520U 520U	 	29
trociar-1248 trociar-1254		 	320U 320U	 	29
roclor-1260	 		520U		29
NORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95			
Holding time: 6 months (Hg 14 days) Antimony	all except Hg	all except Hg		5,300 BN	14,000
ursenie				19,500 258,000	8,000 700,000
Barium				258,000	
cryllium	+		40U	5 SS 10 SS - 0 AAA	1000
admium Iromium	+			8,000 197,000 N	1000 33,000
opper	 			163,000 N*	28,000
cad	†			205,000	21,000
fercury	5/22/95	5/31/95		850	100
ickel				47,200	20,900
elenium	ļ			2,500	63,000
ilver	 		<u> </u>	4,400 Nas	500
anadium				1,600 B 158,000	2000 370,000
anadum ine				817,000	68,000
NORGANICS - OTHER (Results in mg/kg DW):	 				
otal Organic Carbon (LOI)		5/19/95-5/23/95		110,761	NA NA
yanide		5/13/95-5/19/95	1.09U		1,100
oisture, in Percent				54,00	NA
RAIN SIZE: esults in % Recovery		5/24/95, 5/25/95			
icve #4	1			0.0	
cve #10				0.3	
cve #40				0.7	
eve #200	 			10	
mults in Deletium %	 			<u></u>	
esults in Relative %	 		 -	78.9	·····
ay	 	-		10.1	
	 			10.1	
	<u> </u>				

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• - Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: CRC-2-95-C-4.5 Lab ID: CRC-2C4 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit pr/kg DW	Result ng/ke DW	Bulk Sediment Criteria vg/kg					
VOLATILE ORGANICS (SW846 8240):		1								
Holding time: 14 days		05/05/95								
Acrolea			120		100,000 NA					
Acrylonitrile		 	1200		1000					
Benzene			120		1000					
Bromodichloromethane			120		1000					
Bromoform Bromomethane		 	120		1000					
2-Butanone (MEK) Carbon Tetrachloride			12U		50,000					
Carbon Tetrachlonde			120		1000					
2-Chloroethylvinylether Chlorobenzene			120		NA 1000					
Chloroethane	- 	 	120		NA NA					
Chloroform			12U		10,000					
Chloromethane 1,2-Dichloropropane			120		10,000					
,I-Dichloroethano			120		10,000					
2-Dichloroethane			120		1000					
, I-Dichloroethene Dibromochloromethane			12U 12U		8000					
,2-trans Dichlorocthylene			120		50,000					
,2-ers Dichloroethene			120		1000					
13-1,3-Dichloropropene			120		1000					
rans-1,3-Dichloropropene 2dryl benzene		 	12U 12U		100,000					
-Hexanone			12U		NA					
-Hexanone -Methyl-2-Pentanone (MIBK) Methylene Chloride			120	. , .	50,000					
Methylene Chloride		ļ	120	3 1	1000					
etrachloroethylene			120		1600					
,1,2,2-Tetrachloroethane			12U		1000					
olucine .l.i-Tuchloroethane	_		120		500,000 50,000					
,1,1-1 nchloroctuane ,1,2-Tnchlorocthane			120		1000					
nchloroethene (TCE)			120		1000					
Vinyl Chloride			120		2000					
(ylenes (Total)			12U 12U		10,000					
111/12-1 constituto										
EMIVOLATILE ORGANICS (SWB46 8270): Bolding time: 14 days to extract, 40 days to analyze	05/05/95	05/20/95								
'henol			390U		50,000					
ns(2-chloroethyl)ether -Chlorophenol			390U 390U		660 10,000					
3-Dichlorobenzena			3900		100,000					
4-Dichlorobenzene 2-Dichlorobenzene			390U		100,000					
2-Dichlorobenzene -Methylphenol			390U 390U		50,000 2,800,000					
a 2 -chiomi somond other										
					10.000					
-Methylphenol			390U 390U		10,000 2,800,000					
-Methylphenol -Nitroso-di-n-propylamine			390U 390U 390U		10,000 2,800,000 660					
Methylphenol -Nitroso-di-n-propylamine cuichloroethane			390U 390U 390U 390U		10,000 2,800,000 660 6,000					
Methylphenol -Niroso-di-n-propylamano esuachloroethano hirobenzeno			390U 350U 390U 390U 390U 390U		10,000 2,800,000 660 6,000 10,000 50,000					
Mctrylphenol -Mctrylphenol -cuechlorecthane forobenzene ophorone -Nitrophenol			390U 390U 390U 390U 390U 390U 390U 390U		10,000 2,800,000 660 6,000 10,000 50,000 NA					
MctryphenolNitroso-d-n-propyjamne cuachlorocthane tirobenizene opphoroneNitrophenol			390U 390U 390U 390U 390U 390U 390U 390U		10,000 2,800,000 660 6,000 10,000 50,000 NA					
Mctryphenol -Ntiroso-di-n-propylamne cuchlorocthane turobrusen cophorone Ntirophenol 4-Dimethylphenol -Dichlorophenol			390U 390U 390U 390U 390U 390U 390U 390U		10,000 2,800,000 660 6,000 10,000 50,000 NA					
Mctryphenol -Ntiroso-di-n-propylamne cauchiorechane iurobenzene opplorane -Ntiroshenol -Dmethylphenol -Dichlorophenol 2,4-Tnichlorobenzene sphthalene			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000					
Mctryphenol -Nitroso-di-n-propylamane cuschiorochane burobenuene cophorane Nitrophenol -Dimethylphenol -Dintorophenol 2,4-Trichlorobenzene aphthalene -Chieroraniune			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000					
Methylphenol -Nitroso-di-n-propylamno czachlorochano isrobenzeno cophorano cophorano -Nitrophenol -Dichlorophenol 2,4-Trichlorobenzeno spithaleno Chloroaniano -Chloroaniano -Caschlorobutadeno			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000					
Methylphenol -Nitroso-dn-propylamano exachloroethano isrobenzeno ophorono Nitrophenol -Dnethylphenol -Dnethylphenol -Drehlorophenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 NA NA 10,000 100,000 NA NA NA NA NA NA NA NA NA NA NA NA NA					
Mcthylphenol -Nitroso-d-n-propylamne czachlerocthane izrobenzene ophorone -Nitrophenol -Dreiblyrophenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,500,000 6,000 10,000 10,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000					
Methylphenol Nitroso-da-p-propylamnae cuschlorocthane itrobenizene ophorone Nitrophenol 4-Direhylphenol 4-Direhylphenol 4-Direhylphenol 4-Direhylphenol 4-Direhylphenol 6-Direhylphenol 6-Thinocophenol 7-Chlorocthane cuschlorobutadene 87-Chlorocthoxy)methane Chloro-in-cutylphenol (p-chloro-m-cresol) cuschlorocyclopentadiene 4-6-Thinhorophenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 NA NA 10,000 100,000 NA NA NA NA NA NA NA NA NA NA NA NA NA					
Methylphenol Nitroso-da-p-propylamne caschlorocthane iroberazene ophorone Nitrophenol 4-Direhlylphenol 4-Direhlylphenol 4-Direhlylphenol 4-Direhlylphenol 4-Tinehlorophenol 2,4-Tinehlorophenol caschlorobutadene (2-Chlorocthoxy)methane Chloro-Tinehlylphenol (p-chloro-m-cresol) caschlorocytophenol 4,5-Tinehlorophenol 4,5-Tinehlorophenol 4,5-Tinehlorophenol 4,5-Tinehlorophenol 4,5-Tinehlorophenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA NA 100,000 1,000					
Methylphenol -Nitroso-dn-propylamno exachloroethano isrobenzeno ophorone Nitrophenol -Dnethylphenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 50,000 NA NA NA 10,000 68,000 100,000 230,000 HA 100,000 100,000 100,000 NA NA NA NA NA NA NA NA NA NA NA NA NA					
Methylphenol Nitroso-di-n-propylamno cuachlorocthane irrobenzene ophorone Nitrophenol 4-Driehlylphenol 4-Driehlorophenol 2,4-Trichlorophenol 2,4-Trichlorobenzene spithalene Chloroanline exachlorobutadiene (2-Chlorocthoxy)incthane Chloro-3-methylphenol (p-chloro-m-cresol) zuachlorocytopenadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloroaphthalene exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty phalaise exacthorocyty ince			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 NA NA 10,000 68,000 100,000 230,000 NA 100,000 1,000 1,000 100,000 10,000					
Methylphenol Nitroso-di-p-propylamno cuachlorocthane irrobenzene ophorone Nitrophenol 4-Dichlorophenol 4-Dichlorophenol 4-Dichlorophenol 4-Dichlorophenol 4-Dichlorophenol 6-Dichlorophenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 NA NA NA 10,000 68,000 100,000 230,000 HA 100,000 100,000 10,000 10,000 40 10,000 41 1,000 44 1,000 16					
Methylphenol Nitrose-da-p-propylamnae cuschlorocthane itrobenzene ophorone Nitrophenol 4-Direhylphenol 4-Direhylphenol 4-Direhylphenol 4-Direhylphenol 4-Direhylphenol 6-Thinocophenol 2-A-Tinehorobenzene aphthalene Chlorosinine cuschlorobinadiene (2-Chlorocthoxy)methane Chloros-methylphenol (p-chloro-m-cresol) cuschlorocyclopentadiene (4-S-mellorocyclopentadiene (4-S-mellorophenol Chlorosinihalene cuschlyphenol 6-S-mellorophenol Chlorosinihalene cuschlyphhalate e-maphthylene 5-Direhorologene 5-Direhorologene 6-Direhorologene 6-Direhorologene 6-Direhorologene 6-Direhorologene 6-Direhorologene			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 100					
Methylphenol Nitroso-dn-propylamno exachloroethano isrobenzeno ophorono Nitrophenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 6-Dnethylphenol 6-Dnethylphenol 7-Chloroethoxy)psentano 6-Dnethylphenol 7-Chloroethoxy)psentano 6-Dnethylphenol 7-Chloroethoxy)psentano 6-Dnethylphenol 7-Chloroethoxylphenol 7-Chlorosphenol 6-Dnethylphenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 650 6,000 10,000 50,000 NA NA 10,000 100,000 230,000 1,000 100,000 100,000 100,000 100,000 100,000 100,000 10,000 100,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 NA 1,000 NA 1,000 16 16 16,000 NA					
Methylphenol Nitros-d-n-propylamne caseAlorocthane involenzene cophorone Nitrophenol A-Dreihylphenol A-Dreihylphenol A-Dreihylphenol A-Dreihylphenol A-Treihorophenol A-Treihorophenol CaseAlorophenol CaseAlorophenol CaseAlorophenol CaseAlorophenol CaseAlorophenol CaseAlorophenol CaseAlorophenol Chloros-Inchrylphenol (p-chloro-m-cresol) caseAlorocyclopentadiene 4-6-Treihorophenol A-6-Treihorophenol Chloros-phubalene methyl phihalate cenaphthylene S-Drimtvolohene erenphihene 4-Drimtvolohene erenphihenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 NA NA 10,000 68,000 100,000 1,000 1,000 1,000 100,000 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 50,000 NA 1,000 116 10,000 NA 1,000 116 10,000 NA 1,000 116 10,000 NA					
Methylphenol Nitrone-di-n-propylamno cuachlorochane imbenzene ophorane Nitrophenol 4-Dinchlorophenol 4-Dinchlorophenol 4-Dichlorophenol 4-Dichlorophenol 4-Dichlorophenol 4-Dichlorophenol 6-Dichlorophenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 650 6,000 10,000 50,000 NA NA 10,000 100,000 230,000 1,000 100,000 100,000 100,000 100,000 100,000 100,000 10,000 100,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 NA 1,000 NA 1,000 16 16 16,000 NA					
Methylphenol Nitrone-da-n-propylamane exachlorocthane introduction phorone Nitrophenol -Dinitrophenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 50,000 NA 1,000 16 16 10,000 NA 1,000 NA 1,000 16 10,000 NA 1,000					
Methylphenol -Nitroso-dn-propylamno czachlorocthane izrobenzene ophorone Nitrophenol -Dnethylphenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,500,000 6,500 10,000 10,000 NA NA NA 10,000 65,000 100,000 2350,000 HA 100,000 100,000 10,000 10,000 10,000 1					
Methylphenol -Nitroso-dn-propylamno czachlorocthane izrobenzene ophorone Nitrophenol -Dnethylphenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,500,000 6,500 10,000 10,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 10,000 10,000 10,000 NA 10,000 NA 1,000 NA					
Methylphenol Nitroso-da-p-propylamnae cuschlorocthane irrobenzene ophorone Nitrophenol 4-Dirchlorophenol 4-Dirchlorophenol 4-Dirchlorophenol 4-Dirchlorophenol 4-Dirchlorophenol 6-Dirchlorophenol		350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 NA NA 10,000 100,000 1,000 1,000 100,000 1,000 NA 100,000 1,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 1,000 NA						
Methylphenol -Nitroso-dn-propylamno czachlorocthane strobenzene ophorone Ohlorochane Nitrophenol -Dnethylphenol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,000,000 650 6,000 10,000 10,000 10,000 10,000 230,000 1,000 100,000 10					
Methylphenol Nitroso-dn-propylamne caschlorocthane irobenzene ophorone Nitrophenol 4-Drichlorophenol 4-Drichlorophenol 4-Drichlorophenol 4-Trichlorophenol 4-Trichlorophenol 4-Trichlorophenol 6-Trichlorophenol 6-Trichlorophenol 7-Chloros-Inchlorophenol 6-Trichlorophenol 6-Trichlorop			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 650 6,000 10,000 50,000 NA NA 16,000 68,000 100,000 230,000 1					
Methylphenol Nitroso-da-n-propylamne caschloroschane itrobenzene ophorone Nitrophenol 4-Drichlorophenol 4-Drichlorophenol 4-Drichlorophenol 4-Trichlorophenol 4-Trichlorophenol 6-Trichlorophenol 6-Trichlorophenol 7-4-Trichlorophenol 6-Trichlorophenol 7-4-Trichlorophenol 6-Trichlorophenol 6-Trichlorophenol 6-Trichlorophenol 6-Trichlorophenol 6-Trichlorophenol 6-Trichlorophenol 6-Trichlorophenol 7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 650 6,000 10,000 50,000 NA NA NA 10,000 68,000 100,000 1,000 1,000 100,000 10,000 10,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 1					
Methylphenol Chiroso-d-n-propylamne caschlorocthane introbenzene ophorone Ohlorophenol A-Dichlorophenol A-Dichlorophenol A-Dichlorophenol A-Dichlorophenol A-Dichlorophenol A-Dichlorophenol A-Trielhorophenol Chlorosantine caschlorothoxy)methane Chlorosantine caschlorothoxy)methane Chlorosantine caschlorothoxy)methane Chlorosantine caschlorothoxy)methane Chlorosantinholene caschlorothoxylopentadiene 4.6-Trielhorophenol 4.5-Trielhorophenol Chlorosantinholene caschlorothoxylopentadiene 4.5-Trielhorophenol Chlorophenol Chlor			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 650 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 100,000 NA 100,000					
Mctryphenol czachlerocthane czachlerocthane czachlerocthane czachlerocthane czachlerocthane czachlerocthane czachlerocthane czachlerochenol d-Drethylphenol d-Drethylphenol d-Drethylphenol d-Drethylphenol d-Drethorophenol czachlerochtoxy)methane Chlerocanline czachlerochtoxy)methane chlerocanline czachlerochtoxy)methane d-Chlerochtoxy)methane d-Chlerochtoxy)methane d-Chlerochtoxylphenol d-S-Techlerophenol d-S-Techlerophenol d-S-Techlerophenol d-S-Techlerophenol d-Drintotolene cenaphthene d-Drintotolene cenaphthene d-Drintotolene cenaphthene d-Drintotolene cenaphthene d-Drintotolene cenaphthene d-Drintotolene cenaphthene d-Drintotolene cenaphthene d-Drintotolene cenaphthene d-Drintotolene cenaphthenel d-Drintotolene cenaphthenel d-Drintotolene cenaphthenel d-Drintotolene cenaphthenel d-Drintotolene cenaphthenel d-Drintotolene cenaphthenel chlerophenyl-phenyletter czachlerochenyl-phenyletter czachlerochenzene machlerophenol cenanthrene cenaphtenel cenanthrene cenaphtenel cenanthrene cenaphtenel cenanthrene cenaphtenel cenanthrene cenaphtenel cenanthrene cenaphtenel cenanthrene cenaphtenel cenanthrene cenaphtenel cenanthrene cenaphtenel cenapht			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,000,000 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 2350,000 NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 10,000 NA 1,000 Methylphenol Nitroso-d-n-propylamne cuschlorocthane irrobernzene ophorone Nitrophenol 4-Dichlorophenol 4-Dichlorophenol 4-Dichlorophenol 2-4-Tinelhorophenol 2-4-Tinelhorophenol 2-4-Tinelhorophenol 3-4-Tinelhorophenol 6-Tinelhorophenol 1-5-Tinelhorophenol 1-5-Tinelh			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 660 6,000 10,000 NA NA NA 10,000 68,000 100,000 1
Methylphenol Nitrose-dn-propylamno cuachlorocthane strobenzene ophorone Ophorone Nitrophenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 4-Tnelborophenol 2-A-Tnelborophenol Calforoanline cuachlorobutadiene 8/2-Chlorocthoxylmethane Chloro-Inchtylphenol (p-thoro-m-cresol) cuachlorocyclopentadiene 4/5-Tnelborophenol 4/5-Tnelborophenol 4/5-Tnelborophenol 5-Tnelborophenol 5-Tnelborophenol Chloroniphthalene methylphhalate enaphthylene 5-Dmitrotoluene enaphthene 4-Diritrotoluene enaphthene 5-Dmitrotoluene enaphthene 5-Dmitrotoluene enaphthene 5-Dmitrotoluene enaphthene 6-Diritrotoluene enaphthene 7-Dmitrotoluene enaphthene 6-Diritrotoluene 6-Diritrotol			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,500,000 6,50 6,500 10,000 50,000 NA NA NA 10,000 68,000 100,000 1,000 1,000 100,000 10,000 10,000 11,000 10,000 10,000 11,000 10,000					
Methylphenol Nitroso-dn-propylamno cuschloroethane irrobenzene ophorone Nitrophenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 4-Dnethylphenol 4-Treibroobenzene sphthalene Calorosanline cuschlorobenzene sphthalene (2-Chloroethoxy)methane (3-Chloroethoxy)methane (3-Chloroethoxy)methane (3-Treibroophenol 4-S-richlorophenol 4-S-richlorophenol 5-richlorophenol 6-Treibroophenol Chloronaphthalene methylphhalane emaphylphenol Enmirotoluene emaphylphenol Chlorophenyl-phenyletter suchlorophenyl-phenyletter suchlorobenzene Bromophenyl-phenyletter suchlorobenzene suchlorobenzene emaphylphalane emaphylphenol emanitene divinene emaphylphalane emaphylphenol emanitene divinene emaphylphalane emaphylphalane emaphylphalane emanitene emaphylphhalane emanitene emaposenylphhalane emanitene emaposenylphhalane emanitene emani			350U 350U 350U 350U 350U 350U 350U 350U		10,000 2,800,000 650 6,000 10,000 10,000 10,000 10,000 230,000 1,000 10,					
Methylphenol -Nitroso-dn-propylamno czachlorocthane izrobenzene ophorone Nitrophenol -Dnethylphenol		350U 350U 350U 350U 350U 350U 350U 350U	380 J	10,000 2,000,000 6,000 10,000						
Mctryphenol Nitrosod-in-propyjamne cuschlorocchane hirochane Nitroshenol A-Dirichlorophenol A-Dirichlorophenol A-Dirichlorophenol A-Dirichlorophenol A-Tinchlorophenol A-Diritrotoluene ecusphthene A-Diritrotoluene echylphthalate Chlorophenyl-phenylether uorene Bromophenyl-phenylether uorene Bromophenyl-phenylether uorene Bromophenyl-phenylether uorene unitachlorophenol eenanthrene enthylbenylphthalate uoranthene rene unitachlorophenol elemanthrene enthylbenylphthalate uoranthene rene unitachlorophenol elemanthrene entylbenylphthalate uoranthrene entylbenylphthalate uoranthrene entylbenylphthalate en-octylphthalate			350U 350U 350U 350U 350U 350U 350U 350U	380 J	10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 1,000 1,000 1,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 100,00					
Methylphenol Nitroso-d-n-propylamne cuschlorocthane irrobenzene ophorone Nitrophenol 4-Dichlorophenol 4-Dichlorophenol 4-Dichlorophenol 2-A-Tinelborobenzene aphthalene Chloroznitine cuschlorobutadiene x/2-Chlorocthoxy)methane Chloroznitine cuschlorobutadiene x/2-Chlorocthoxy)methane Chloroznitine cuschlorophenol 4-5-Tinelborophenol 4-5-Tinelborophenol 4-5-Tinelborophenol Chloroznithalene inschlyl phthalate crasphthylene 6-Dinitrotlotene cuschlylphenol Nitrophenol Nitrophenol Nitrophenol Chlorophenyl-phenyletter cuschlorophenyl-phenyletter succhlorophenyl-phenyletter succhlorophenol chlorophenyl-phenyletter succhlorophenol enthylphthalate romene romophenyl-phenyletter suchlorobenziene mitachlorophenol enthylphthalate nitrosome suchlorobenziene mitachlorophenol enthylphthalate nitrosome suchlorobenziene mitachlorophenol enthylphthalate nitrosome suchlorobenziene mitachlorophenol enthylphthalate nitrosome suchlorobenzieline muco(s)anthracene sucytene xypene xypene xypene			350U 350U 350U 350U 350U 350U 350U 350U	380 J	10,000 2,800,000 650 6,000 10,000 50,000 NA NA NA 16,000 68,000 100,000 1,000					
Methylphenol -Nitrose-da-p-propylamno cuachlorocthane sirobenzene ophorone Nitrophenol -Dinelphophenol -Dinelp			350U 350U 350U 350U 350U 350U 350U 350U	380 J	10,000 2,000 2,000 3,000 10,00					
Methylphenol Nitroso-da-n-propylamne caschloroschane irrobenzene ophorone Nitrophenol 4-Drichlyrophenol 4-Drichlyrophenol 4-Drichlyrophenol 4-Drichlyrophenol 4-Trichlorophenol 6-4-Trichlorophenol 6-4-Trichlorophenol 6-4-Trichlorophenol 6-4-Trichlorophenol 6-1-Chloroschoxy)methane Chloros-Inchlylphenol (p-chloro-m-cresol) caschloroscyclopentadiene 4-5-Trichlorophenol 6-5-Trichlorophenol 6-6-Trichlorophenol 6-5-Trichlorophenol 6-6-Trichlorophenol		350U 350U 350U 350U 350U 350U 350U 350U	380 J	10,000 2,800,000 650 650 6,000 10,000 50,000 NA NA NA 10,000 68,000 100,000 1,						

. -

.

sample ID: CRC-2-95-C-4.5 ab ID: CRC2C4 sampling Date: 5/1/95	Date Privacted	Date Analyzed	Method Detection Limit pg/kg DW	Remit ng/kg DW	Bulk Sedimen Criteria
-hitrosodimethylamine	DANI DANI DELLEG	To Polarity	39000		pe/ke NA
cusique		$\overline{}$	3900U		NA NA
2-Diphenylhydrazine			39000		NA NA
cnzyl Alcohol			3900		50,000
	<u> </u>				9,0,000
ESTICIDES/PCBS (SW846 8080):					
				i .	
olding time: 14 days to extract, 40 days to analyze pha-BHC	05/05/95	05/13/95	l		
pha-BHC			90		. NA
ta-BHC			90		NA .
Na-BHC			90		NA .
rms-BHC (Lindane)		 	. 90		520
piachlor coa		ļ	90		150 40
			90		
eptachior Epoxide idosulfan I		 	90		NA
cidna		 	190		50,000
I-DDE			190		2,000
ndna		 	190		42
dosulan II		·	190		30,000
r-DDD (a g-TDP)		 	190		3,000
r-DDD (p.p'-TDE) dosulfan Sulfate	1		190		50,000
(40)01	 	 	190		2,000
thoxychlor	+	 	930		50,000
dna Ketone			190		NA NA
drin Aldehyde			190		NA NA
ohs-Chlordane	+		90		- WA
mma-Chlordane	+		90		NA NA
rek			190		
zaphene			1900		1860
oclor-1016	+		930	 	29
octor-1221	 		930		29
oclor-1232	 	 	930		29
oclor-1242			930		29
oclar-1248		 	930		29
roclar-1254			930		29
octor-1260	. T		93Ú		29
ORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95			
Idine times. & months (Te. 14 days)	, .		i	l	
iding times 6 months (Hg 14 days)	all except Hg	all except Hg	4100	416 162	14000
htnony	, .	all except Hg	4100	410 UN	14,000
timony cract	, .	all except Hg	4100	970 B	8,000
olding time: 6 months (Hg 14 days) timony seme	, .	all except Hg	4100	970 B 15,600 B	8,000 700,000
innony eme num ryllium	, .	all except Hg	4100	976 B 15,600 B 160 B	8,000 700,000 1,000
Umory sense your yUm yUm danium	, .	all except Hg	4100	976 B 15,600 B 160 B	8,000 700,000 1,000 1,000
umony erine rine syllium dosum comium	, .	all except Hg	4100	976 B 15,600 B 160 B	8,000 700,000 1,000 1,000 33,000
Umory eene num yyllium dan um com um	, .	all except Hg	4100	976 B 15,600 B 160 B 80 B 7,500 N 2,300 BN*	8,000 700,000 1,000 1,000 33,000 28,000
timony senie rium rythium droi um romium romium	all except Hg			976 B 15,600 B 160 B	8,000 700,000 1,000 1,000 33,000 28,000 21,000
umony ium yulium finium oranium opper d d	, .	all except Hg	120U	976 B 15,600 B 160 B 80 B 7,500 N 2,300 BN* 2,800	8,000 700,000 1,000 1,000 33,000 28,000 21,000
nmony cury tel	all except Hg			970 B 15,600 B 160 B 80 B 7,500 N 2,300 BN* 2,800	8,000 700,000 1,000 1,000 33,000 28,000 21,000 100 20,900
ntmony consum	all except Hg		120U	970 B 15,600 B 160 B 80 B 7,500 N 2,300 BN* 2,800 4,700 310 B	\$,000 700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000
umory eese num yllium dusum comum pper dd tctury kel eesum	all except Hg		120U 70U	970 B 15,600 B 160 B 80 B 7,500 N 2,300 BN* 2,800	\$,000 700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500
umony esset vium yllium dine um esset vonaum esset di esset kd esset esset um esset lilium	all except Hg		120U	970 B 15600 B 160 B 20 B 7500 N 2300 BN* 2,500 4,700 310 B 70 UN	\$,000 700,000 1,000 1,000 33,000 21,000 100 20,900 63,000 500 2,000
umory ense imm yulium donum oomum yor dd rrruy kd ensen	all except Hg		120U 70U	970 B 15600 B 160 B 20 B 7500 N 2300 BN* 2,500 4,700 310 B 70 UN	8,000 700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500
Umosy esse num yulium dasum romum pper dd rruny kel ennam	all except Hg		120U 70U	970 B 15,600 B 160 B 80 B 7,500 N 2,300 BN* 2,800 4,700 310 B	\$,000 700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000
nimory seme rium rythum drawm roman	all except Hg		120U 70U	970 B 15600 B 160 B 20 B 7500 N 2300 BN* 2,500 4,700 310 B 70 UN	8,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,900 63,000 500 2,000 2,000 376,000
numory esme num rystlium durum romum pper ad romy kd enum end enum er construit be construit er allium assebum er DRGANICS - OTHER (Respits in mg/kg DW);	all except Hg	3/31/95	120U 70U	976 B 15 660 B 160 B 80 B 7,500 N 2,300 BN* 2,800 4,700 310 B 70 UN 6,300 16,700	8,000 700,000 1,000 1,000 1,000 21,000 21,000 100 20,900 33,000 500 2,000 370,000 88,000
innory sense rium rythum down roman ro	all except Hg	3/31/95	70U 380U	970 B 15600 B 160 B 20 B 7500 N 2300 BN* 2,500 4,700 310 B 70 UN	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,900 63,000 500 2,000 376,000 88,000
umory ense in m yulium dro um rom um rom um pper dd rreury kel ensum er dllium acchum 6 DRGANICS - OTHER (Results in mg/kg DW)s al Organic Carbon (LOI) umde	all except Hg		120U 70U	970 B 1560 B 160 B 80 B 7,500 N 2,300 BN* 2,300 BN* 2,800 4,700 310 B 70 UN 6,300 16,700	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
umory ense in m yulium dro um rom um rom um pper dd rreury kel ensum er dllium acchum 6 DRGANICS - OTHER (Results in mg/kg DW)s al Organic Carbon (LOI) umde	all except Hg	3/31/95	70U 380U	976 B 15 660 B 160 B 80 B 7,500 N 2,300 BN* 2,800 4,700 310 B 70 UN 6,300 16,700	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,900 63,000 500 2,000 376,000 88,000
numory seme num rythum nythum danum roman	all except Hg	3/31/95	70U 380U	970 B 1560 B 160 B 80 B 7,500 N 2,300 BN* 2,300 BN* 2,800 4,700 310 B 70 UN 6,300 16,700	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
timory seme num yilium durum romnum pper dd rruny kid enum er dlijum akdum e DRGANICS - OTHER (Resulti in mg/ke DW): al Organic Carbon (LOI) unde seme, in Percent	all except Hg	\$/31/95 \$/19/95-5/23/95 \$/13/95-5/19/95	70U 380U	970 B 1560 B 160 B 80 B 7,500 N 2,300 BN* 2,300 BN* 2,800 4,700 310 B 70 UN 6,300 16,700	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
timory seme rium rythium drawm romnum promnum prof id cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity itel conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res cretity conum res	all except Hg	3/31/95	70U 380U	970 B 15600 B 160 B 80 B 7500 N 2,3000 BN 2,800 310 B 70 UN 6,300 16,700	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
numory seme num rystlium dinaum romnum pper ad rowy ikd enum enum ver allium aachum se DRGANICS - OTHER (Results in mg/kg DW)s al Organic Carbon (LOI) unde sumre, in Percent AIN SIZRs alls in % Rocovery ver 84	all except Hg	\$/31/95 \$/19/95-5/23/95 \$/13/95-5/19/95	70U 380U	976 B 15.60 B 160 B 80 B 7,500 N 2,300 BN* 2,500 BN* 3,10 B 70 UN 6,300 16,700	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
timory seme rium rythium rythium formum promium promium promium prof id rerry kird emum ser allium machum se DRGANICS - OTHER (Results in mg/kg DW); al Organic Carbon (LOI) mide AIN SIZE; alls in % Recovery see \$40	all except Hg	\$/31/95 \$/19/95-5/23/95 \$/13/95-5/19/95	70U 380U	970 B 15.600 B 160 B 80 B 7,500 N 2,300 BN 2,800 310 B 70 UN 6,300 16,700 11,272 14,500	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
num reme num rythium donum remum remum remum remum rem del del del del del del del del del del	all except Hg	\$/31/95 \$/19/95-5/23/95 \$/13/95-5/19/95	70U 380U	970 B 15 600 B 160 B 80 B 7,000 N 2,300 BN* 2,300 BN* 2,300 BN* 7,000 310 B 70 UN 6,300 16,700 11,372 14,50	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
timory seme rium rythium rythium formum promium promium promium prof id rerry kird emum ser allium machum se DRGANICS - OTHER (Results in mg/kg DW); al Organic Carbon (LOI) unde al Organic Carbon (LOI) unde starre, in Percent ARN SIZR; all b in % Recovery se \$40 re \$40	all except Hg	\$/31/95 \$/19/95-5/23/95 \$/13/95-5/19/95	70U 380U	970 B 15.600 B 160 B 80 B 7,500 N 2,300 BN 2,800 310 B 70 UN 6,300 16,700 11,272 14,500	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
inner seme inner yellium den um romnum pper de return ind cer seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme seme sem	all except Hg	\$/31/95 \$/19/95-5/23/95 \$/13/95-5/19/95	70U 380U	970 B 15 600 B 160 B 80 B 7,000 N 2,300 BN* 2,300 BN* 2,300 BN* 7,000 310 B 70 UN 6,300 16,700 11,372 14,50	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
DECOMPY CONTROL CON	all except Hg	\$/31/95 \$/19/95-5/23/95 \$/13/95-5/19/95	70U 380U	970 B 15.600 B 160 B 80 B 7,500 N 2,300 BN 2,300 BN 2,300 BN 310 B 70 UN 6,300 16,700 11,372 14.50	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000
inner sense inner yollium don'um romnum pper dd rrury kid emum er lillium addum e DRGANICS - OTHER (Results in mg/kg DW); al Organic Carbon (LOI) mide sense, in Percent AIN SIZE; alls in & Rocovery e set re selo	all except Hg	\$/31/95 \$/19/95-5/23/95 \$/13/95-5/19/95	70U 380U	970 B 15 600 B 160 B 80 B 7,000 N 2,300 BN* 2,300 BN* 2,300 BN* 7,000 310 B 70 UN 6,300 16,700 11,372 14,50	\$,000 700,000 1,000 1,000 1,000 28,000 21,000 100 20,500 33,000 33,000 2,000 370,000 82,000

٠.

Definitions:

NA - Not Available

ug/rg - micrograms per kilogram, parts per billion

mg/rg - miligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DU - Detection limit

DW - Dry weight corrected

D - Result obtained on dilund sample

N - Spiked sample recovery not within control limits

Sample ID: CRC-2-95-C-7.4 Lab ID: CRC2C7 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result	Bulk Sediment Criteria vg/kg					
YOLATILE ORGANICS (SW846 5240):										
Holding time: 14 days Acctone		05/05/95 and 05/08/95			100,000					
Actorie	-	his from both run	150 1500		100,000 NA					
Acrylonitrile		reported	1300		1000					
Bromodichloromethane	 	 	15U 15U		1000					
Bromoform Bromomethane			15U 15U		1000					
2-Butanone (MEK)		 	150		50,000					
Carbon Tetrachloride 2-Chloroethylvinylether			15U 15U		1000 NA					
Chlorobanzane			150		1000					
Chloroethane Chloroform			15U 15U		NA 1000					
Chloromethane			150		10,000					
1,1-Dichloroethane	 		15U 15U		10,000					
1,2-Dichloroethane			150		1000					
1,1-Dichloroethene Dibromochloromethane	 		15U 15U		8000					
1,2-trans Dichloroethylene			15U		50,000					
1,2-cis Dichloroethene cis-1,3-Dichloropropene	 	 	15U 13U		1000					
trans-1,3-Dichloropropene Ethylbenzene	· · · · · · · · · · · · · · · · · · ·		15U 15U		1000					
2-Hexanone	<u> </u>		130		NA					
4-Methyl-2-Pentanone (MIBK) Methylene Chloride	<u> </u>		15U 15U	4J/12JB	50,000 1000					
Styrene	<u> </u>		130	7JI LUD	23,000					
Tetrachloroethylene			15U 15U		1000					
Tolução			150_	2]/15U	500,000					
1,1,1-Trichloroethane 1,1,2-Trichloroethane			15U 15U		50,000 1000					
Trichloroethene (TCE)			150		1000					
Virtyl Chloride Xylenes (Total)			130		2000					
1,1,1,2-Tetrachlorocthane	 		15U 15U		10,000					
SEMIVOLATTLE ORGANICS (SW846 8270): Holding time: i/ days to extract, 40 days to analyze Phenol	05/05/95	05/20/95	SOOU		50,000					
bis(2-chloroethyl)ether 2-Chlorophenol			300U 300U		660 10,000					
1,3-Dichlorobenzene			500U		100,000					
1,4-Dichlorobenzene 1,2-Dichlorobenzene			500U		100,000					
			50011							
2-Methylphenol			500U 500U		50,000 2,800,000					
2-Methylphenol bis(2-chloroisopropyl)ether			500U 500U		50,000 2,800,000 10,000					
2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine			500U 500U 500U 500U		50,000 2,800,000 10,000 2,800,000 660					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol			500U 500U 500U 500U 500U		50,000 2,800,000 10,000 2,800,000 660 6,000					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone			500U 500U 500U 500U 500U 500U 500U		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobertzene			500U 500U 500U 500U 500U 500U 500U 500U		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA					
2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Heaschloroethane Nitrobenzene Isopherone 2-Nitrophenol 2-4-Dichlorophenol 2-4-Dichlorophenol			500U 500U 500U 500U 500U 500U 500U 500U		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA					
2-Methylphenol bis/2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocthane Nitrobarzene Isopharone 2-Nitrophenol 2,4-Dinethylphenol 2,4-Dichlorophenol 1,2,4-Trichloroberzene Naphthalene			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 10,000 68,000					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Heaschloroethane Nitrobenzene Isopherone 2-Nitrophenol 2-4-Dimethylphenol 2-4-Dichlorophenol 1,2-4-Trichlorobenzene Naphthalene 4-Chloroaniline			500U 500U 500U 500U 500U 500U 500U 500U		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000					
2-Methylphenol bis/2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 1,2-4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis/2-Chloroethoxylmethane			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 10,000 68,000 100,000 230,000 NA					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2-4-Dinnethylphenol 2-4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 10,000 68,000 100,000 230,000 NA 100,000 10,000 10,000 10,000 10,000 100,000 100,000 100,000					
2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2-A-Dinethylphenol 2-4-Dichlorophenol 1,2-4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2-4,6-Trichlorophenol 2-4,5-Trichlorophenol			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloro-droethoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4-S-Trichlorophenol 2,4-S-Trichlorophenol 2,5-Trichlorophenol 2,6-Trichlorophenol 2,7-Trichlorophenol 2,7-Trichlorophenol 2,7-Trichlorophenol 2,7-Trichlorophenol 2,7-Trichlorophenol 2,7-Trichlorophenol 2,7-Trichlorophenol 2,7-Trichlorophenol			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 2,800,000 660 660 6,000 10,000 NA NA 10,000 230,000 1,000 NA 100,000 1,000 1,000 NA 100,000 1,000 NA 100,000 NA 50,000					
2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2-A-Direthylphenol 2-Lichlorophenol 1,2-4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2-4,6-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-Chloroanphthalene Dimethyl phthalate Accanphthylene			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobruzne Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorothoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4-S-Trichlorophenol 2,4-S-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthene			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		50,000 2,800,000 10,000 2,800,000 660 660 6,000 10,000 NA NA 10,000 230,000 1,000 NA 100,000 1,000 1,000 NA 100,000 1,000 NA 100,000 1,000 NA 100,000					
2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2-A-Dinethylphenol 2-Dichlorophenol 1,2-4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2-4,6-Trichlorophenol 2-4,5-Trichlorophenol 2-4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Accnaphthylene 2,6-Dinitrotoluene Accnaphthene 2,6-Dinitrotoluene Accnaphthene			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 2,800,000 660 6,000 10,000 80,000 NA NA 10,000 68,000 100,000					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hetaschloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroamiline Hetaschlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hetaschlorocyclopentadiene 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,6-Dimitrotoluene Accasphthylene 2,4-Dimitrophenol 2,4-Dimitrophenol 2,4-Dimitrophenol			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		50,000 2,800,000 10,000 10,000 660 6600 6600 10,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA					
2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberszne Isophorone 2-Nitrophenol 2-A-Dirchlorophenol 1,2-4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorothoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorophenol 2-4,6-Trichlorophenol 2-4,6-Trichlorophenol 2-4,6-Trichlorophenol 2-4,6-Trichlorophenol 2-Chloroasphthalene Dimethyl phthalate Accasphthylene 2,6-Dinitrotoluene Accasphthiene 2,4-Dinitrophenol 4-Nitrophenol 4-Dinitrotoluene Dicthylphthalate			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		50,000 2,800,000 10,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 230,000 1,000 NA 100,000 1,000 100,000 1,000 NA 100,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 1,000 NA					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hetaschloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hetaschlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hetaschlorocyclopentadiene 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,4-Dinitrotoluene Acensphthene 2,4-Dinitrotoluene Acensphtholo 2,4-Dinitrotoluene Dictylphthalate Acensphtholouele Dictylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Dictylphthalate 4-Chlorophenyl-phenylether Fluorone			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		50,000 2,800,000 10,000 10,000 660 6600 6600 10,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobarczne Isophorone 2-Nitrophenol 2-A-Dintethylphenol 2-Dichlorophenol 1,2-A-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorothoxymethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorophenol 2-A-S-Trichlorophenol 2-A-S-Trichlorophenol 2-A-S-Trichlorophenol 2-Chloroaphthalene Dimethyl phthalate Accasphthylene 2-A-Dinitrotoluene Accasphthune 2-A-Dinitrophenol 4-Nitrophenol 2-A-Dinitrophenol 4-Nitrophenol 2-A-Dinitrotoluene Dicthylphthalate Dicthylphthalate Dicthylphthalate 4-Chlorophenol 2-A-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitrotoluene Dicthylphthalate 4-Chlorophenyl-phenylether Filoroene 1-6-Dinitro-2-methylphenol			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		50,000 2,800,000 10,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 NA					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hetaschloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hetaschlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hetaschlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloroaphthalene Dimethyl phthalate Accnaphthylene 2,6-Dimitrotoluene Accnaphtholoe Accnaphtholoe 2,4-Dinitrotoluene Dicthylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Dicthylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Dicthylphthalate 4-Chlorophenyl-phenylether Tluorene 1,6-Dimitro-2-methylphenol 1-Nitrosodiphenylamine 1-Bromophenyl-phenylether			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 10,000 660 6600 6600 10,000 50,000 NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobarzene Isophorone Isophorone 2-Nitrophenol 2-A-Directorophenol 1, 2-4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorothoxymethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorophenol 2-4,6-Trichlorophenol 2-6-Dinitrotoluene Diethylphthalate 4-Chlorophenol 2-4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether 1-6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 1-Bromophenyl-phenylether 1-Bromophenyl-phenylether 1-Bromophenyl-phenylether			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 10,000 660 660 6,000 10,000 NA NA 10,000 10,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4-6-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2-Chloroaphthalene Dimethyl phthalate Acenaphthylene 2,4-Dinitrotoluene Acensphthene 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Fluorene Bromophenyl-phenylether Jessachlorophenol Phemanthrene			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 10,000 660 6600 6600 10,000 50,000 NA NA 10,000 100,00					
2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocthane Nitrobrazne Isophorone 2-Nitrophenol 2-A-Directory of the Methylphenol 2-A-Directory of the Methylphenol 2-Dichlorophenol 1, 2-A-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorothoxymethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorothoxymethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2-(4-S-Trichlorophenol 2-(3-S-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Accapaphthylene 2-(3-Dinitrotoluene Accapaphthene 2-(4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrosodiphenyl-phenylether Fluorene 4-Chloritro-2-methylphenol N-Nitrosodiphenylamine 1-Bromophenyl-phenylether			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 10,000 660 6,000 10,000 NA NA NA 10,000 10,000 10,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4-6-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2-Chloroaphthalene Dimethyl phthalate Accnaphthylene 2,4-Dinitrotoluene Accnaphthylene 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenol Nitrosodiphenylamine 1-Bromophenyl-phenylether Fluorene 1-Bromophenyl-phenylether Lexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthrene Anthracene Fluoranthrene Anthracene Fluoranthrene			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 10,000 660 6600 6600 10,000 50,000 NA 10,000 100,000 1					
2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobrazne Isophorone 2-Nitrophenol 2-Nitrophenol 2-Dichlorophenol 1, 2-4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorothoxymethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorophenol 2-4,6-Trichlorophenol 2-4,6-Trichlorophenol 2-4,6-Trichlorophenol 2-4,6-Trichlorophenol 2-4,6-Trichlorophenol 2-4,6-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Accapaphthylene 2,6-Dinitrotoluene Accapaphthene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2-4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrosodiphenyl-phenylether Hororne 1,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 1-Bromophenyl-phenylether Hexachlorophenol Phenanthrene Phenanthrene Phenanthrene Phenanthrene Pyrene			\$600		\$0,000 2,800,000 10,000 10,000 660 660 6600 10,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 50,000 NA 50,000 16 10,000 NA 100,000 N					
2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dinthylphenol 2,4-Dinthylphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxylmethane 4-Chloro3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloroaphthalene Dimethyl phthalate Accnaphthylene 2,6-Dinitrotoluene Accnaphthene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitrophenol 4-Nitrophenol 4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorone 1,6-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Fluorone 1,8-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Lexachlorobenzene Pentachlorophenol Phenanthrene Untracene 1-n-burylphthalate 1,3-Dichloroberozidine			\$600U \$600U		\$0,000 2,800,000 10,000 10,000 660 660 6600 6000 10,000 50,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 NA 1,000 16 10,000 NA 1,000 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hetaschloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hetaschlorobutadiene bis(2-Chlorothoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hetaschlorocyclopentadiene bis(2-Chlorothoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hetaschlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4-S-Trichlorophenol 2,4-Dimitrolophenol 2,4-Dimitrophenol 4-Nitrophenol 4-Nitrosodiphenyl-phenylether Fluorene 4-Chlorophenyl-phenylether Fluorene 4-Chlorophenyl-phenylether Fluorene 5-Dimitro-2-methylphenol N-Nitrosodiphenylamine 1-Bromophenyl-phenylether 1-Exachlorophenol 1-Phenanthrene 1-Industriale 1-Phenanthrene 1-Industriale 1-Phenylphthalate 1-Industriale 1			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		\$0,000 2,800,000 10,000 10,000 660 6600 6600 10,000 50,000 NA 10,000 100,000 NA 50,000 NA 50,000 NA 100,000 NA
2-Methylphenol bis(2-chloroisopropyl)cther 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitroberzene Isophorone 2-Nitrophenol 2-A-Dinthylphenol 2,4-Dinthylphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxylmethane 4-Chloro3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloroaphthalene Dimethyl phthalate Accnaphthylene 2,6-Dinitrotoluene Accnaphthene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitrophenol 4-Nitrophenol 4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorone 1,6-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Fluorone 1,8-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Lexachlorobenzene Pentachlorophenol Phenanthrene Untracene 1-n-burylphthalate 1,3-Dichloroberozidine			\$600U \$600U	613	\$0,000 2,800,000 10,000 10,000 660 660 6600 6000 10,000 50,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 NA 1,000 16 10,000 NA 1,000					

Sample ID: CRC-2-95-C-7.4	T	1			
Ish ID: CRC2C7			Method Detection		Bulk Sediment
Lab ID: CRC2C7 Sampling Date: 5/1/95	i	ļ	Limit	Result	Criteria
	Date Extracted	Date Analyzed	ne/ke DW	ug/ke DW	ug/kg
B=20(b)liuoraninene	Ţ		500U 500U		900
Bezzo(k)fluoranthene	 	 	300U	140J	230
Berzo(a)pyrene (BaP) Indeno(1,2,3-ed)pyrene	+	 	300U	1400	900
Diberry(a,h)anthracene	 	 	300U		31
Bezz(g.h.j)perylene	1	1	500U		NA
N-citrosodimethylamine			30000		NA
Berzidine			3000U		NA NA
1,2-Diphenylhydrazine	- 	ļ	5000U 500U		NA 50,000
Berzyl Alcohol		 	3000_		30,000
		<u> </u>			
PESTICIDES/PCBS (SW846 8080):	1				
Holding time: 14 days to extract, 40 days to analyze	05/05/95	05/13/95	- 1011		NA NA
alpha-BHC		 	12U		NA NA
bea-BHC delta-BHC	- 		120		NA NA
ga ma-BHC (Lindane)			120		320
Hexachlor			12U		150
Al⇔in			120		40
Hatachlor Epoxide			120		NA CASS
Endosulfan I	 	ļ	120		50,000
Dieldrin	+		24U		2,000
4.4-DDE	· ·	ļ	24U 24U		42
Entrin Endosulfan II		 	24U		50,000
4.4'-DDD (p.p'-TDE)	 	 	240		1,000
Endosulian Sulfate	+		24U		50.000
4.4:-DDT			24U		2.000
Methoxychlor			120U		50,000
Entrin Ketone			24U		NA NA
Entrin Aldehyde			24U		NA NA
alpha-Chlordane			12U 12U		NA NA
gamma-Chlordane			240		NA NA
Mirex Toxaphene			240U		100
Aroclor-1016			1200		29
Aroclor-1221		 	120U		29
Aroclor-1232			120U		29
Aroclor-1242			120U		29
Aroclor-1248			120U		29
Aroclor-1254			1200		29
Aroclor-1260	 		120U		29
		60000			
INORGANICS - TOTAL METALS (SW846 6000/7000);	5/16/95, 5/18/95	5/19/95			•
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Artimony				590 BN	14,000
Arsenic	ļ			5,300	8,000
Berium	 		30U	79,200	700,000 1,000
Beyllium Cacnium	+		300	190 B	1,000
Cronium	 			27,400 N	33,000
Copper	 			8,300 N°	28,000
Lesi	1.			7,300	21,000
Маалу	5/22/95	5/31/95	150U		100
Nickel				16,800	20,900
Selenium				690 B	63,000
Silver	 		300U	110 BN	500 2,000
Thellium Vanadium	 		JUUC	27,600	370,000
Zinc	 			44,600	68,000
	1				
INORGANICS - OTHER (Results in mg/kg DW):					
Total Organic Carbon (LOI)	1	5/19/95-5/23/95		25,652	NA .
Cvznide	 	5/13/95-5/19/95	0.760		1,100
Moisture, in Percent	 			34.00	NA
GRAIN SIZE:	1				
Results in % Recovery		5/24/95, 5/25/95	1	j	
Sieve #4	1	5.27176, 312333		0.0	
Sieve #10				1.8	
Sieve #40				12.2	
Sieve #200				24.1	
Results in Relative %	<u> </u>			35.8	
Silt				26.0	
Clay	 			40.0	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: PAT-1-95-C-0.0 Lab ID: PAT1C0 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sedimen Criteria ve/ke
YOLATILE ORGANICS (SW846 E240): Bolding time: 14 days		05/10/95 and		[
Accione		05/11/95	170		100,000
Acrolan			170U 170U	 	NA 1000
Acrylonitrile Benzene	 		170	 	1000
Bromodichloromethane	 		170		1000
Bromoform			170	ļ	1000 1000
Bromomethane	<u> </u>	ļ	170 170	<u> </u>	50,000
2-Butanone (MEK) Carbon Tetrachloride	 		170		1000
2-Chloroethylvinylether			טלו		NA NA
Chlorobazzae	ļ		170 170	ļ	1000 NA
Chloroethane Chloroform			170	 	1000
Chloromethane	 		170		10,000
2-Dichloropropane			170		10,000
,1-Dichloroethane	ļ		17U 17U		10,000
,2-Dichlorocthane ,1-Dichlorocthene	 		170	 	8000
Dibromochloromethane	 		170		1000
2-trans Dichloroethylone			170		50,000
2-cis Dichloroethene			170	 	1000
ris-1,3-Dichloropropene			170	 	1000
rans-1,3-Dichloropropene Ethylbenzene	 		170	<u> </u>)00,000
2-Hexanone			170		NA _
I-Methyl-2-Pentanone (MIBK)			170	111//15	50,000
Methylene Chloride	 		17U 17U	11J/6JB	23,000
iyrene drachlorodhylene	 		170	 	1000
1,2,2-Tetrachloroethane			170		1000
oluene			170	ļ	500,000 50,000
,1,1-Trichloroethane	ļ	[170 170		1000
richloroethene (TCE)	 		170		1000
Vinyl Chloride	 		170		2000
Kylenes (Total)			170	 	10,000
,1,1,2-Tetrachlorocthane	<u> </u>		170		1000
	 				
TEMTYOLATTILE ORGANICS (SW846 8270): Holding time: 14 days to extract, 40 days to extract	05/05/95	05/21/95	1100U		50,000
Phenol Dis(2-chloroethyl)ether	 		11000	 	660
-Chlorophenol			1100U		10,000
3-Dichlorobenzene			1100U 1100U		10,000
,3-Dichlorobenzene ,4-Dichlorobenzene			1100U 1100U 1100U		10,000 100,000 100,000
3-Dichloroberzene 4-Dichloroberzene 2-Dichloroberzene			1100U 1100U 1100U 1100U 1100U		10,000 100,000 100,000 50,000 2,800,000
3-Dichlorobanzene 4-Dichlorobanzene 2-Dichlorobanzene			1100U 1100U 1100U 1100U 1100U 1100U		10,000 100,000 100,000 50,000 2,800,000 10,000
3-Dichlorobanzene 4-Dichlorobanzene 2-Dichlorobanzene			1100U 1100U 1100U 1100U 1100U 1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol isi(2-chloroisopropyl)ether -Methylphenol -Nitroso-di-n-propylamine			1100U 1100U 1100U 1100U 1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene			1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol is(2-chloroisopropyl)ether -Methylphenol -Nitroso-di-n-propylamine lexachloroethane litrobenzene sophorone			1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol isi(2-chloroisopropyl)ether -Methylphenol -Methylphenol -Methylphenol -Methylphenol -Methylphenol -Mitrospod-n-propylamine			1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol is(2-chloroisopropyl)ether -Methylphenol I-Nitroso-di-n-propylamine iesschloroethane isrobenzene sophorone -Nitrophenol -Nitrophenol -Nitrophenol			1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene 3-Dichlorobenzene -Methylphenol -Methylphenol -Methylphenol -Nitroso-di-n-propylamine -exachlorochane			1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 68,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine exachloroethane ittrobenzene sophorone Nitrophenol 4-Dinethylphenol 4-Dichlorophenol 2,4-Tinchlorobenzene sphthalene			1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 660 600 10,000 NA NA 10,000 68,000 100,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol is(2-hloroisopropyl)ether -Methylphenol 1-Nitroso-di-n-propylamine iezschloroethane litrobenzene sophorone -Nitrophenol 4-Dimhlorophenol 2,4-Trichlorobenzene laphthalene -Chloroaniine			1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 10,000 68,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol is(2-chloroisopropyl)ether -Methylphenol 1-Nitroso-di-n-propylamine lexachloroethane litrobenzene sophorone -Nitrophenol 4-Dichlorophenol 2,4-Inchlorobenzene sphithalene -Chloroaniline lexachlorobutadiene			1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene			1100U 1100U	160 J	10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 230,000 NA 10,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether Methylphenol i-Nitroso-di-n-propylamine ierachloroethane litrobenzene sophorone Nitrophenol 4-Dinthlorophenol 2,4-Trichlorobenzene sophislene Chloroaniline lexachloroethanelexachloroethanelexachloroethane litrophenol 2,4-Trichlorobenzene sophislene Chloroaniline lexachlorobintadiene is(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) lexachlorocyclopentadiene			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 660 600 10,000 NA NA NA 10,000 230,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000
3-Dichloroberzene 4-Dichloroberzene 2-Dichloroberzene			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 10,000 10,000 NA 10,000 10,000 10,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 660 660 6,000 10,000 8NA 10,000 230,000 1,000 1,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether Methylphenol -Nitroso-di-n-propylamine exachloroethane litrobenzene sophorone -Nitrophenol 4-Dichlorophenol 2-4-Trichlorobenzene sphihalene Chloroaniline exachloroethoxymethane (chloroaniline) exachlorobinadiene is(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) exachloroethoxymethane 4-6-Trichlorophenol 4-5-Trichlorophenol 4-5-Trichlorophenol Chloroaphihalene			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 100,000 100,000 100,000 100,000 100,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 100,000 100,000 100,000 100,000 100,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether Methylphenol -Nitroso-di-n-propylamine exachloroethane litrobenzene sophorone -Nitrophenol 4-Dinthorophenol 2,4-Trichlorophenol 2,4-Trichlorobenzene sophislene Chloroaniline exachloroethadiene is(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloroanphthalene imethyl phthalate ceraphthylene imethyl phthalate ceraphthylene 6-Dinitrotoluene			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 660 660 6,000 10,000 8NA 10,000 230,000 1,000 1,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether Methylphenol I.Nitroso-di-n-propylamine exachloroethane ittrobenzene sophorone Nitrophenol 4-Dichlorophenol 2,4-Trichlorobenzene spinhalene Chloroaniline exachloroethoxymethane catchlorobensene is(2-Chloroethoxymethane			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 550,000 NA NA 10,000 230,000 1,000 10,000
3-Dichloroberzene 4-Dichloroberzene 2-Dichloroberzene 3-Dichloroberzene 3-Dichloroberzene 4-Dichloroberzene 4-Methylphenol is(2-chloroisopropyl)ether Methylphenol 4-Nitroso-di-n-propylamine iesschloroethane litroberzene sophorone Nitrophenol 4-Dichlorophenol 2-4-Trichloroberzene isphalene Chlorosnitine iesschloroethaneline etsschloroethaneline Chlorosnitine etsschlorobutsdiene is(2-Chloroethoxylmethane Chlorosnitine etsschloroethoxylmethane Chlorosnitine etsschloroethoxylmethane A,6-Trichlorophenol 4-S-Trichlorophenol Chloronsphthalene imethyl phthalate certaphthylene 5-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol Nitrophenol			1100U 1100U	160 J	10,000 100,000 100,000 100,000 2,800,000 10,000 2,800,000 660 600 10,000 800 800 10,00
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine exachloroethane ittrobenzene sophorone Nitrophenol 4-Dichlorophenol 2-4-Tichlorobenzene sphithalene Chloroaniline exachloroethadiene is(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocytlopentadiene 4-5-Trichlorophenol 4-5-Trichlorophenol 6-5-Trichlorophenol			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 100,000 1
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 660 600 600 10,000 50,000 NA NA 10,000 100,000
3-Dichloroberzene 4-Dichloroberzene 2-Dichloroberzene 3-Dichloroberzene Methylphenol is(2-chloroisopropyl)ether Methylphenol I-Nitroso-di-n-propylamine iesschloroethane litroberzene sophorone Nitrophenol 4-Diminorphenol 2,4-Trichloroberzene laphthalene Chlorontiine etsschloroethoxylmethane Chlorontiine etsschloroethoxylmethane Chloro-m-cresol) lesschloroephenol 4,5-Trichlorophenol 4,			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 100,000 NA 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether Methylphenol I-Nitroso-di-n-propylamine iesachloroethane iitrobenzene sophorone -Nitrophenol 4-Dichlorophenol 2,4-Trichlorobenzene aphthalene -Chloroethoxymethane (caschlorobethoxymethane -Chloroethoxymethane -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol			1100U 1100U	160 J	10,000 100,000 100,000 100,000 100,000 2,800,000 2,800,000 660 6,000 10,000 50,000 NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 100,000 NA 1,000 50,000 NA 1,000 100,000 NA 1,000 50,000 NA 1,000 NA
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol is(2-chloroisopropyl)ether -Methylphenol -Nitroso-di-n-propylamine iesschloroethane litrobenzene sophorone -Nitrophenol 4-Dimitrophenol 2,4-Trichlorobenzene lesschloroethane -Chlorosniline etsschloroethoxylmethane -Chlorosniline etsschlorobtadiene is(2-Chloroethoxylmethane -Chlorosniline etsschlorobtadiene is(2-Chloroethoxylmethane -Chlorosphenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol -Chlorosphihalene imetryl phthalate etenaphthylene 6-Dinitrotoluene cenaphthene -A-Dinitrophenol -A-Dinitrophenol -Nitrophenol			1100U 1100U	160 J	10,000 100,000 100,000 100,000 2,800,000 10,000 2,800,000 660 660 600 10,000 80,000 10,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol is(2-chloroisopropyl)ether -Methylphenol I.Nitroso-di-n-propylamine exachloroethane itirobenzene sophorone -Nitrophenol 4-Dichlorophenol 24-Tinchlorobenzene saphthalene -Chloroaniline exachloroethoxymethane -Chloro-3-methylphenol (p-chloro-m-cresol) exactlorocyclopentadiene 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 6,5-Trichlorophenol 6,5-Trichlorophenol 7,5-Trichlorophenol 1,5-Trichlorophenol 1,5-Trichlorophenol 2,5-Trichlorophenol 3,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 5-Dinitrotoluene consphilhene 4,5-Dinitrotoluene consphilhene -Dinitrotoluene -Di			1100U 1100U	160 J	10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 8NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 100,000 100,000 NA 1,000 50,000 NA 1,000 100,000 100,000 100,000 NA 1,000 50,000 NA 1,000 100,000 NA 1,000 100,000 NA 1,000 100,000 NA 1,000 100,000 NA 1,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether -Methylphenol I-Nitroso-di-n-propylamine iezachloroethane ilitrobenzene sophorone -Nitrophenol 4-Dichlorophenol 2,4-Trichlorobenzene suphthalene -Chloroaniline lezachloroethoxymethane -Chloro-3-methylphenol (p-chloro-m-cresol) lezachlorocyclopentadiene 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 6,5-Trichlorophenol 1,6-Trichlorophenol			1100U 1100U		10,000 100,000 100,000 100,000 100,000 2,800,000 10,000 660 6,000 10,000 50,000 10,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol is(2-chloroisopropyl)ether -Methylphenol 1-Nitroso-di-n-propylamine ezaschloroethane litrobenzene sophorone -Nitrophenol 4-Dimitrophenol 2,4-Trichlorobenzene laphthalene -Chlorosniline ezaschlorobttadiene is(2-Chloroethoxylmethane -Chlorosniline ezaschlorobyttadiene is(2-Chloroethoxylmethane -Chlorosniline ezaschlorobyttadiene is(2-Chloroethoxylmethane -Chlorosphenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol -Chlorosphthalene immetryl phthalate ezenaphthylene (5-Dinitrotoluene ezenaphthene -(4-Dinitrotoluene ezenaphthene -(5-Dinitro-2-methylphenol -Nitrosodiphenylamine -Nitrosodiphenylamine -Nitrosodiphenylamine -Nitrosodiphenylamine -Nitrosodiphenylamine -Nitrosodiphenylamine -Nitrosodiphenylamine			1100U 1100U	480 J	10,000 100,000 100,000 100,000 2,800,000 10,000 2,800,000 660 6,000 10,000 8NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Methylphenol 3-Altorosopropyl)ether 3-Methylphenol 1-Nitroso-di-n-propylamine 3-Rethylphenol 1-Nitroso-di-n-propylamine 3-Rethylphenol 1-Nitroso-di-n-propylamine 3-Rethylphenol 3-Dichlorophenol 2-Hirchlorophenol 2-Hirchlorophenol 2-Hirchlorophenol 2-Hirchlorophenol 3-Tichlorophenol 3-Tichlorophenol 4-Dinitrosophenol 4-Tichlorophenol 4-Tichlorophenol 4-Tichlorophenol 4-Tichlorophenol 4-Dinitrosophenol 4-Dinitrosophenol 4-Dinitrosophenol 4-Dinitrosophenol 4-Dinitrosophenol 8-Dinitrosophenol 8-Dinitrosophenol 8-Dinitrosophenol 8-Dinitrosophenol 9-Dinitrosophenol			1100U 1100U		10,000 100,000 100,000 100,000 100,000 2,800,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 100,000 NA 1,000 100,000 NA 1,000 100,000 NA 1,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol is(2-chloroisopropyl)ether -Methylphenol I-Nitroso-di-n-propylamine iesschloroethane litrobenzene sophorone -Nitrophenol 4-Dinthrylphenol 4-Dinthrylphenol 4-Dinthrylphenol 2,4-Trichlorobenzene lesphthalene -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -Chloroethoxylmethane -A.5-Trichlorophenol -A.5-Trichlorophenol -A.5-Trichlorophenol -Chloronsphthalene immetryl phthalate -Chloroethoxylmethalene -Compilitylphthalate -Chlorophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrosodiphenylamine -Chlorophenyl-phenylether			1100U 1100U	480 J	10,000 100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 660 660 660 6,000 10,
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene Methylphenol is(2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine exachloroethane ilitrobenzene sophorone Nitrophenol 4-Dichlorophenol 2-Tinchlorobenzene sphihalene Chloroaniline lexachloroethateine is(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) lexachlorocytopentadiene 4-5-Tinchlorophenol 4-Tinchlorophenol 4-Tinchlorophenol 6-Tinchlorophenol 6-Tinchlorophenol 7-Tinchlorophenol 6-Dinitrotoluene lexachlorocytopentadiene 4-Dimitrotoluene lexachlorocytopentadiene 4-Dimitrotoluene lexachlorophenol 6-Dinitrotoluene lexachlorophenol 7-Tinchlorophenol 8-Dinitrotoluene lexachlorophenol 9-Dinitrotoluene lexachlorophenol 1-Dinitrotoluene lexachlorophenol Nitrosophenol Nitrosophenol Nitrosophenol Nitrosodiphenylamine Bromophenyl-phenylether lexachlorobenzene entachlorophenol heranhrene libranhrene			1100U 1100U	480 J	10,000 100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 660 6,000 10,000 8NA 10,000
-Chlorophenol 3-Dichloroberzene 4-Dichloroberzene 2-Dichloroberzene 3-Dichloroberzene 3-Dichloroberzene 3-Dichloroberzene 3-Methylphenol 3-Methylphenol 3-Methylphenol 4-Methylphenol 4-Nitroso-di-n-propylamine 4-Easchlorochane 10troberzene 80phorone 80phorone 80phorone 80phorone 80phorone 81phthalene 81phthalene 82-Chlorophenol 82-Tinchloroberzene 81phthalene 82-Chloroethoxylmethane 82-Chloroethoxylmethane 83-Methylphenol (p-chloro-m-cresol) 84-Tinchlorophenol 84-Tinchlorophenol 84-Tinchlorophenol 85-Tinchlorophenol 85-Tinchlorophenol 85-Tinchlorophenol 85-Tinchlorophenol 85-Dinitrotoluene 80methyl phthalate 80methyl phthalate 80methyl phthalate 80methylphthalate			1100U 1100U	480 J	10,000 100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 660 660 6,000 10,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Methylphenol 3-Altoroisopropyl)ether 3-Methylphenol 3-Nitroso-di-n-propylamine 3-Easchlorochtane 3-Introphenol 3-Dintrophenol 4-Dintrophenol 4-Dintrophenol 3-Tinchlorobenzene 3-Introphenol 4-Dintrophenol 5-Tinchlorobenzene 3-Introphenol 5-Tinchlorobenzene 3-Introphenol 5-Tinchlorophenol 6-Tinchlorophenol 7-Tinchlorophenol 7-Tinchlor			1100U 1100U	480 J 150 J 150 J 150 J 150 J	10,000 100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 660 660 6,000 10,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -Methylphenol -Methylphenol -Methylphenol -Methylphenol -Nitroso-di-n-propylamine -exachlorochane			1100U 1100U	480 J 150 J 100 J	10,000 100,000 100,000 100,000 100,000 2,800,000 10,000 660 6,000 10,000 50,000 10,000
3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Methylphenol Methylphenol Nitroso-di-n-propylamine lezschloroethane Nitrophenol Nitrophenol A-Dinethylphenol 4-Dichlorophenol 2-Inchlorophenol 2-Inchlorobenzene saphinalene -Chloroaniline lezschloroethoxymethane -Chloro-3-methylphenol (p-chloro-m-cresol) lezschlorocytopentadiene 4-Dinitrophenol 4-Strichlorophenol 4-Strichlorophenol 4-Strichlorophenol -Chloroaphinalene imethyl phthalate lexenaphthylene (A-Dinitrotoluene lexenaphthylene (A-Dinitrotoluene lexenaphthylene (A-Dinitrotoluene lexenaphthylene (A-Dinitrotoluene lexenaphthylene (A-Dinitrotoluene lexenaphthylene (A-Dinitrotoluene lexenaphthylene (A-Dinitrotoluene lexenaphthylene (A-Dinitrotoluene lexenaphthylene) -Nitrosodiphenyl-phenylether luorene -Bromophenyl-phenylether luorene -Bromophenyl-phenylether lexachlorobenzene entaschlorophenol hemanthrese nitrasene intrasene int			1100U 1100U	480 J 150 J 150 J 150 J 150 J	10,000 100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 660 660 6,000 10,000

!

C. T. TD. DITT 1 OF CO.O.		1		I	
Sample ID: PAT-1-95-C-0.0 Lab ID: PAT1C0	1		Method Detection		Bulk Sediment
Sampling Date: 5/1/95			Limit	Result	Criteria
January and and	Date Extracted	Date Analyzed	ug/kg DW	ng/kg DW	
Benzo(b)[luoranthene	1		11000	560 J	ng/kg 900
Benzo(k)fluoranthene			1100U	290 J	900
Benzo(a)pyrene (BaP)			1100U	400 100	230
Indeno(1,2,3-cd)pyrene			1100U	120 J	900
Diberz(a,h)anthracene			1100U	130 J	31 NA
Benzo(g,h,i)perylene		}	1100U 11000U	130 3	NA NA
N-nitrosodimethylamine Benzidine			110000	 	NA.
1.2-Diphenyltrydrazine			11000U	 	NA
Benzyl Alcohol			1100U		50,000
223)7700000					
PESTICIDES/PCBS (SW846 8080):					
	25.00	ocacac		1	
Holding time: 14 days to extract, 40 days to extract	05/07/95	05/15/95	410	 	NA
alpha-BHC beta-BHC	 	 	410	 	NA NA
delta-BHC	 		410	 	NA
gamma-BHC (Lindane)		 	410	1	520
Heptachlor			410		150
Aldrin			41U		40
Heptachlor Epoxide			41U		NA
Endosulfan I			410	L	50,000
Dieldrin			83U	 	11
4,4'-DDE			83U 83U	150	2,000
Endrin			83U 83U	 	42 50,000
Endoculian II	- 	 	830	 	3,000
4,4'-DDD (p,p'-TDE) Endosulfan Sulfate	 	 	830	 	50,000
4,4'-DDT	 	·	83U		2,000
Methoxychlor			410U		50,000
Endrin Ketone			83U		NA
Endrin Aldehyde			83U	ļ	NA
alpha-Chlordane	<u> </u>		410		NA NA
gamma-Chlordane	<u> </u>		41U 83U	 	NA NA
Mires	<u> </u>	ļ	830U	 	100-
Toxaphone Aroclor-1016			410U	 	29
Aroclor-1221			410U		29
Aroclor-1232	 		410U	1	29
Aroclor-1242	 		410U		29
Aroclor-1248		,	410U		29
Aroclor-1254			410U	34.500 Jay	29
Aroclor-1260			410U	<u> </u>	29
			L		
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95		1	
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg]]	
Animony				3,000 BN	14,000
Arsenic				462-6614,200-65	8,000
Barium				143,000	700,000
Beyllium	<u> </u>	ļ		660 B	1,000
Cadmiun	 			5,200 S	1,000 33,000
Citromium Copper	 			93,700 N°	28,000
Lead Lead				154,000	21,000
Mercury	3/22/95	5/31/95		######################################	100
Nickel	1			32,000	20,900
Selenium	T ·			1,200	63,000
Silver				2,600 N	500
Trallium	1			1,300	2,000
Vanadium	ļ		 	66,700	370,000 68,000
Zinc	 	<u> </u>		Simple Company of the State of	00,000
	 			 	
INORGANICS - OTHER (Results in mg/kg DW):	1				214
Total Organic Carbon (LOI)		5/19/95-5/23/95	A 0.011	69,310	NA 1,100
Cyanide Maidres in Percent	 	5/13/95-5/19/95	0.86U	42.00	NA NA
Moisture, in Percent	 			72.00	
and the same	 				
GRAIN SIZE:		come enemal		į l	
Results in % Recovery Sieve #4		5/24/95, 5/25/95		3.9	
Sieve #10	 			4.0	
Sieve #40	 			11.5	
Sieve #200				35.4	
Results in Relative %					····
Silt	ļ			29,4	
Clay	1			15.4	

Definitions:

NA - Not Available

ug/kg - milligrams per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

* - Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

NR - Not required

N - Spiked sample recovery not within control limits

Sample ID: PAT-1-95-C-2.3 Lab ID: PAT1C2 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
VOLATILE ORGANICS (SW846 8240): Holding time: 14 days		05/10/95			
Acetone		03/10/3	110		100,000 NA
Acrolein Acrylonitrile	 		1100		1000
Barzare			110		1000
Bromodichloromethane Bromoform	 	 	110		1000
Bromomethane			11U 11U		1000 50,000
2-Butanone (MEK) Carbon Tetrachloride		·	110		1000
2-Chloroethylvinylether			110		NA 1000
Chlorobenzene Chloroethane			1)0		NA
Chloroform			110		1000 10,000
Chloromethane 1,2-Dichloropropane	<u> </u>		110		10,000
1,1-Dichloroethane			110		10,000 1000
1,1-Dichloroethene			110 :		8000
Dibromochloromethane			110		1000 50,000
1,2-trans Dichloroethylene			110		1000
cis-1,3-Dichloropropene			110		1000
trans-1,3-Dichloropropene Ethylbertzene			110		100,000
2-Hexanone			110		NA 50.000
4-Mathyl-2-Pantanone (MIBK) Mathylene Chloride	 	 	110	10 J	1000
Styrene			110		23,000 1000
Tetrachloroethylene 1,122-Tetrachloroethane			110		1000
Toluene			110		500,000 50,000
1,1,1-Trichloroethane	 		110		1000
Trichloroethene (TCE)			110		1000
Vinyl Chloride Xylenes (Total)	ļ <u>.</u>	<u> </u>	110		2000 10,000
1,1,1,2-Tetrachloroethane			ที่เข้		1000
		ļ			
SEMIVOLATILE ORGANICS (SY/846 8270):					
Holding time: 14 days to extract, 40 days to analyze	05/05/95	05/21/95			
Phenol			370U		50,000
bis(2-chloroethyl)ether [2-Chlorophenol	ļ		370U 370U		10,000
1,3-Dichlorobenzene			370U		100,000
1,4-Dichlorobenzene 1,2-Dichlorobenzene			370U 370U		100,000 50,000
2-Methylphenol			370U		2,800,000 10,000
bis(2-chloroisopropyl)ether 4-Methylphenol			370U 370U		2,800,000
N-Nitroso-di-n-propylamine			370U		660 6,000
Hexachloroethane Nitrobenzene			370U 370U		10,000
Isophorone			370U		50,000
2-Nitrophenol 2.4-Dimethylphenol			370U 370U		NA NA
2,4-Dichlorophenol			370U		10,000
1,2,4-Trichlorobenzene Næhthalene			370U 370U		100,000
4-Chloroaniline			370U		230,000
Hexachlorobutadiene bis(2-Chloroethoxy)methane			370U 370U		1,000 NA
4-Chloro-3-methylphenol (p-chloro:)-cresol)			370U		100,000
Hetachlorocyclopentadiene 2,4,6-Trichlorophenol			370U 370U		100,000
2,4,5-Trichlorophenol			1800U		50,000
2-Chloronaphthalene Dir: ethyl phthalate			370U 370U		NA 50,000
Accasphthylene			370U		44
2,6-Dinitrotoluene Accuaphthene			370U 370U		1,000
2,4-Dinitrophenol			1800U		10,000
4-Nitrophenol			1800U 370U		NA 1,000
2,4-Dinitrotolucne Dictrylphihalate			370U		50,000
4-Chloropheryl-pherylether			370U 370U		NA 18
Fluorene 4,6-Dinitro-2-methylphenol			1800U		NA
N-Nitrosodiphenylamine			370U 370U		100,000 NA
4-Bromophenyi-phenyiether Hetachlorobenzene			370U		ίδ0
Pentachlorophenol			1800U 370U		6,000 NA
Phenanthrene Anthracene			370U		85
Di-n-butylphthalate			370U 370U		100,000 380
Fluoranthene	1		370U		290
IPYTENE I					
Pyrene Burylbenzylphthalate			ייסט		100,000
Butylbenzylphthalate 3,3'-Dichlorobenzidine			70U 730U		2,000
Butylbenzylphthalate 3,3-Dichlorobenzidine Benzo(a)anthracene Chrysene			770U 730U 370U 370U		2,000 1,60 220
Burylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene			70U 730U 370U	110 J	2,000

.

3

Sample ID: PAT-1-95-C-2.3 Lab ID: PAT1C2 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ng/kg DW	Result ug/kg DW	Bulk Sediment Criteria ve/kg
Benzo(b)Iluoranihene			370U		900
Benzo(k)fluoranthene			370U	ļi	900_
Benzo(a)pyrene (BaP)		ļ	370U 370U		230 900
Indeno(1,2,3-cd)pyrene		 	370U 370U		31
Dibenz(a,h)anthracene Benzo(g,h,i)perylene		 	370U		NA.
N-nitrosodimethylamine			3700U		NA
Benzidine			37000		NA
1,2-Diphenylhydrazine			3700U		NA
Benzyl Alcohol			370U		50,000
PESTICIDES/PCBS (SW846 8080):	1				
Holding time: 14 days to extract, 40 days to analyze	05/07/95	05/13/95			
alpha-BHC	<u> </u>		90		NA NA
beta-BHC			90		NA NA
delta-BHC		 	90	[520
gamma-BHC (Lindane) Hoptachlor			90		150
Aldrin			90		40
Heptachlor Epoxide			90	l	NA
Endosulfan I			90		50,000
Dieldrin 4,4-DDE			18U		13
		<u> </u>	180	ļ	2,000
Endrin			18U		42 50,000
Endosulan II			180		3,000
4.4-DDD (p.pTDE) Endosulfan Sulfate			18U	 	50,000
4.4'-DDT	*		180		2,000
Methoxychlor			88U		\$0,000
Methoxychlor Endrin Ketone			18U		NA
Endrin Aldehyde			18U		NA NA
alpha-Chlordane			90		NA
gamma-Chlordane	_		9U 18U		NA NA
Mirex Toxaphene			1800		100
Aroclor-1016			88U		29
Aroclor-1221	 		880		29
Aroclor-1232			880		29
Aroclor-1242			880		29
Aroclor-1248			880		29
Aroclor-1254			88U 88U	<u> </u>	29 29
Aroclor-1260			880		
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95			
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Antimony			520U	320 UN	14,000
Arsenic		[I		1,200 B	8,000 700,000
Barium Beryllium	- 			260 B	1,000
Cadmium				50 B	1,000
Chromium				18,700 N	33,000
Copper				5,300 N°	28,000
Lead				3,600	21,000
Метситу			170U	5,700 B	100 20,900
Nickel Selenium		<u> </u>	300U	3,700 B	63,000
Silver			3000	180 BN	500
Thallium			4900		2,000
Vanadium	1.			13,200 21,300	370,000
Zinc				21,300	68,000
INORGANICS - OTHER (Results in mg/ke DW): Total Organic Carbon (LOI)		5/19/95-5/23/95		1,088	NA
Cyanide		5/13/95-5/19/95	0.550		1,100
Moisture, in Percent				9.00	NA
GRAIN SIZE: Results in % Recovery		5/24/95, 5/25/95			
Sieve #4		JI 24173, CE1173		14.0	
Sieve #10	1			12.4	
Sieve #40				43.3	
Sieve #200				21.5	
Results in Relative %		_		91.2	
Clay	 			8.8	
Viii)					

: -

Definitions:

NA - Not Available

ug/kg - miltigrams per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in !aboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

NR - Not required

N - Spiked sample recovery not within control limits

Sample ID: PAT-2-95-C-0.0 Lab ID: PAT2C0 Sampling Date: 5/1/95			Method Detection Limit	Result	Bulk Sediment Criteria
	Date Extracted	Date Analyzed	ng/ke DW	ug/kg DW	ng/kg
VOLATILE ORGANICS (SW846 8240): Holding time: 14 days		05/11/95			
Actone Actolean			200		100,000 NA
Acrylonitrile			200U		1000 1000
Bromodichloromethane	 	 	20U 20U		1000
Bromoform			200		1000
Bromomethane 2-Butanone (MEK)			20U		50,000 1000
Carbon Tetrschloride 2-Chloroethylvinylether	 		20U 20U		NA_
Chlorobenzene			20U 20U		3000 NA
Chloroethane Chloroform			200		1000
Chloromethane 1.2-Dichloropropane		 	20U 20U	 	10,000 10,000
1,1-Dichloroethane			20U 20U		10,000 1000
1,1-Dichloroethene			200		8000 1000
Dibromochloromethane 1.2-bans Dichloroethylene	 		20U 20U		50,000
1,2-ris Dichloroethene cis-1,3-Dichloropropene			20U 20U		1000 1000
trans-1,3-Dichloropropene			200		1000
Ethylbenzene 2-Hexanone			20U 20U		100,000 NA
4-Methyl-2-Pentanone (MIBK) Methylene Chloride			20U 20U	8.78	50,000 1000
Styrene			20U		23,000
Tetrachlorocthylene 1,1,2,2-Tetrachlorocthane			20U 20U		1000
Toluene 1.1.1-Trichloroothane			20U 20U	4 3	500,000 50,000
1,1,2-Trichloroethane			20U		1000
Trichloroethene (TCE) Vinyl Chloride	 	 	20U 20U		2000
Xylenes (Total)			20U 20U		10,000
1,1,1,2-Tetrachlorocthane			200		,,,,,,
THE PORCHAGO COMMANDE				 	
SEMIYOLATILE ORGANICS (SW846 8270): Holding time: 14 days to extract, 40 days to extract	05/05/95	05/20/95			
Phenol			1300U		50,000 660
bis(2-chloroethyl)ether 2-Chlorophenol	 	 	1300U 1300U		10,000
1.4-Dichlorobenzene			1300U 1300U	 	100,000
1,2-Dichlorobenzene			1300U		50,000 2,800,000
2-Methylphenol bis(2-chloroisopropyl)ether	 		1300U 1300U		10.000
4-Methylphenol N-Nitroso-di-n-propylamine	·		1300U 1300U	 	2,800,000 660
Hetachloroethane			1300U 1300U		6,000
Nitrobenzene Isophorone			1300U		50,000
2-Nitrophenol 2.4-Dimetrylphenol			1300U 1300U		NA NA
2,4-Dichlorophenol			1300U 1300U		10,000
1,2,4-Trichlorobenzene Naphthalene			13000		100,000
4-Chloroaniline Hexachlorobutadiene			1300U 1300U		230,000 1,000 NA
his/2-Chlorocthoxy)methane			1300U		NA 100,000
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			1300U		100,000
2,4,6-Trichlorophenol 2,4,5-Trichlorophenol			1300U 6700U	<u> </u>	10,000 50,000
2-Chloronaphthalene			1300U 1300U		NA 50,000
Dimethyl phthalate Accraphthylene			1300U		44 1,000
2,6-Dinitrotoluene Accusphthene			1300U 1300U		16
2,4-Dinitrophenol			6700U 6700U		10,000 NA
4-Nitrophenol 2,4-Dinitrotoluene			1300U		1,000
Diethylphthalate 4-Chlorophenyl-phenylether			1300U 1300U		50,000 NA
Fluorene			1300U 6700U		18 NA
4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine			1300U		100,000
4-Bromophanyl-phanylether Hesschlorobanzane			1300U 1300U		NA 660
Pentachlorophenol			6700U 1300U	270 J	6,000 NA
Phenanthrene Anthracene			1300U	2,0,	85
Di-n-butylphthalate Fluoranthene			1300U 1300U	540 J	100,000 380
Рутопе			1300U 1300U	4900	290 100,000
Butylbenzvlphthalate 3.3'-Dichlorobenzidine			2700U		2,000
Berizo(a)anthracene			1300U 1300U	250 J	160 220
Chrysene	, ,		13000	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
Bis(2-Ethylhexyl)phthalate Di-n-octylphthalate			1300U 1300U	3000	49,000 170,000

-

lo la pima es coo			τ		
Sample ID: PAT-2-95-C-0.0 Lab ID: PAT2C0			Method Detection	1	Bulk Sediment
Sampling Date: 5/1/95	1	1	Limit	Result	Criteria
Campaig Date: G150	Date Extracted	Date Applyzed	9g/kg DW 13600	ug/ke DW	ne/ke
Berzo(b)liuoranthene	I DATE DATE SELECT	i zananyzwa	13600	380 J	900
Benzo(k)fluoranthene			1300U	310 J	900
Benzo(a)pyrene (BaP)	 		1300U	290 J	230
Berzz(a)pyrene (BaP) Indeno(1,2,3-cd)pyrene			13000		900
Dibenz(a,h)anthracene			1300U		31
Benzo(g,h,i)perylene			1300U		NA NA
N-nitrosodimethylamine		T	130000		NA
Benzidine		<u> </u>	13000U	1	NA NA
1,2-Diphenylhydrazine			13000U	 	NA
Benzyl Alcohol		ļ	1300U		50,000
		 		 	
PESTICIDES/PCBS (STY846 8080):	i		1	<u> </u>	
Holding time: 14 days to extract, 40 days to extract	05/07/95	05/13/95	1	}	
alpha-BHC		05.15.55	48U	 	NA
bcta-BHC			48U		NA
delta-BHC			48U		NA
gamma-BHC (Lindane)			· 48U	1	520
Hoptachlor (Editoric)			48U		150
Aldrin		1	48U		40
Heptachlor Epoxide			48U	I	NA
Endosulfan I	. 1		48U		50,000
Dieldrin			96U	!	11
4,4'-DDE		1	960	72 J	2,000
Endrin			96U		42
Endosulfan II			960		30,000
4,4'-DDD (p,p'-TDB)			960	I	3,000
Endosulfan Sulfate			960	LI	50,000
4,4'-DDT			960		2,000
Methoxychlor			480U		50,000
Endrin Ketone		L	୨ଣ		NA NA
Endrin Alderryde	<u> </u>	<u> </u>	960	ļ	NA NA
alpha-Chlordane		ļ	48U	 	NA NA
gamma-Chlordane	_ 		48U 96U		NA NA
Mirex		ļ	9600		100
Toxsphene	- 		480U	 	29
Arocior-1016			480U	 	29
Aroclor-1221			480U		29
Aroclor-1232			480U		29
Aroclor-1242			480U		29
Arocior-1248			480U	 	29
Aroclor-1254 Aroclor-1260			480U	[29
Arocior-1200			7,000	 	
		4000	 		
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95	l	l i	
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg	ł	jl	
Antimony	7			2,900 BN	14,000
Arsenic				12,200	8,000
Barium				180,000	700,000
Bayllium				540 B	1,000
Cadmium				4,300	1,000
Chromium				88,800 N	33,000
Copper				99,700 N*	28,000
Lead	 	481.2		118,000	21,000
Mercury	5/22/95	5/31/95	<u> </u>	28 200	100
Nickel				32,700	20,900
Selenium				1,100	63,000
Silver	 			3,000 N	500 2,000
Thallium				2,200 152,100	370,000
Vanadium				32,100 467,000	68,000
Zinc					00,000
			<u> </u>	<u> </u>	
INORGANICS - OTHER (Results in mg/kg DW):					
Total Organic Carbon (LOI)		5/19/95-5/23/95		78,000	NA
Cyanide		5/13/95/19/95	1.00U		1,100
Moisture, in Percent				50.00	NA
				<u> </u>	
GRAIN SIZE:		1		i i	
Results in % Recovery				ļ .	
Sieve #4	<u> </u>	5/24/95, 5/25/95		0.0	
icve #10	1			0.0	
Sieve #40				• 1.2	
Sieve #200				22.3	
	i				
Results in Relative %					
Si:.				62.5	
Clay				14.0	

Definitions:

::A - Not Available
ug/kg - micrograms per kilogram, parts per billion
mg/kg - milligrams per kilogram, parts per million
U - Undetected
J - Estimated value
B - Detected in laboratory blank (organics), Reported value less than Contract Required DL
but greater than or equal to Instrument DL (inorganics)

* - Duplicate analysis not within control limits
DL - Detection limit
DW - Dry weight corrected
D - Result obtained on diluted sample
N - Spiked sample recovery not within control limits

13000 250 1 2800,000 1000	Sample ID: PAT-2-95-C-0.0-D Lab ID: PAT2CD Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit 12/ke DW	Result ng/kg DW	Bulk Sediment Criteria vg/kg
Content			OSHOME			
Accordance		 	05/11/95			
	Acrolen					
Section Sect			reported			1000
Second				20U		
Statement of St.	Впотобота					
Carbon Translandis			ļ'			50,000
Content Cont						
Colored Colo						
Colored Color Co		 				
Cliestenschaften				20U		1000
1.5 1.5	Chloromethane					
1.5 Comparison						
1.1.Disclasseshmen		 				1000
Value Valu						
1.5						
Col. Delivorement	1.2-trans Dichloroethylene					1000
Install_2 Disingeneers 200						
Supplement	trans-1,3-Dichloropropene				 	
File Property Pr	Ethylbenzene	 				NA
Michael Collarios		 		20U		50,000
Trees 100	Methylene Chloride				22/11JB	
1.3.2.1 CarcollorethMe	Styrene		 	200		
Total 100 10			 	200		1000
11.1.1Trialprocedures	Tolyane			20U	43/33	500,000
1,000 1000	1.1.1-Trichloroethane					
Virtical Calorial Virt						
Notes				20U		
1,1,12 Temshlorochane	Xylenes (Total)					
Bioling time 14 days to extract, 40 days to analyze	1,1,1,2-Tetrachloroethane	ļ		200		1000
Bioling time 14 days to extract, 40 days to analyze						
Bioling time 14 days to extract, 40 days to analyze	CENTROL ATTLE OD CANICS (SW846 8270)					
Press 1300U		05/05/05	05/21/95			
1500 1500		05/05/75	73.23.23	1300U		
1,000						
1.4.Dickloroberszene	2-Chlorophenol					10,000
1300U 50,000 50,000 10				13000		100,000
2.Metryphenol 13000				1300U		
13000 250 2,800,000 350 2,800,000 350 3,800,000 350 3,800,000 350 3,800,000 350 3,800,00	2-Methylphenol					
Section Sect		ļ <u>.</u>			250 1	2,800,000
Heschlorothane 1300U 1000U					660	
National Content	Hexachloroethane					
Seption 13000						
1300U 10,000 10			 			
2.4-Dichlorophenol 13000	2.4-Dimethy::henol					
1,24-Trichloroberizen 1,300U 100,000	2,4-Dichlorophenol			13000		10,000
National 13000	1,2,4-Trichlorobenzene		<u> </u>			100.000
Hexachlorobutadiene 1300U		 		1300U		230,000
1300U NA	Hexachlorobutadiene			1300U		1,000
1300	bis(2-Chlorocthoxy)methane					100,000
1,000 1,000 1,000 2,4,5 Trichlorophenol 1,000 5,00			 	13000		100,000
2.4.5 Trichlorophenol 3000	2,4,6-Trichlorophenol			1300U		10,000
24_horotosphinalarie	2,4,3-Trichlorophenol					
Different Final Principle 1300U		 -	·			50,000
1300U 1000 10000 10000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 10000000 100000000	Accasphthylene			1300U		44
Academic Second	2,6-Dinitrotoluene					
ANitrophenol 1300U			<u> </u>			
2.4-Dinitrotoluene				6500U		NA
Dietrylphthalate	2,4-Dinitrotoluene			1300U		1,000
1300U 18 18 1300U 18 18 1300U 18 18 1300U 18 18 1300U 18 18 1300U 18 18 1300U 18 18 1300U 18 18 1300U 18 18 1300U 18 18 1300U 18 18 1300U 18 18 18 18 18 18 18 1	Dictrylphthalate					
A Chimitro 2-methylphenol S500U NA	4-Chlorophenyl-phenylether		<u> </u>			
N-Nirrosodiphenylamine	4.6-Dinitro-2-methylphenol			6500U		NA
1300U NA	N-Nitrosodiphenylamine			1300U		100,000
Retach/Orophenol 6500U 6,000	4-Bromophenyl-phenylether					
Phenanthrene	netachiorophenol		 	65000		6,000
Anthracene	Phenanthrene			1300U	370 J	
Di-h-ourylpinnalate 1300U 380 760 380 Fluoranthene 1300U 300	Anthracene					
Pyrme 1300U 290 Butylberzylphthalate 1300U 100,000 3,3*Dichloroberzdine 2600U 2,000 Berzo(a)anthracene 1300U 340 J = 160 Chrysene 1300U 340 J = 220 Bis(2-Etylhexyl)phthalate 1300U 3200 49,000	Di-n-butylphthalate			13000	760 1	
Butylbenzylphthalate				1300U	100 July 650 July	290
2000 2,000	Butylbenzylphthalate			1300U		
1300U 3200 220 Chrysene 1300U 3200 49,000 Bis(2-Etrlylhexyl)phthalate 1300U 3200 49,000 10000	3,3'-Dichlorobenzidine				stationer S. MATERIA	
Chrysene 1300U 3200 49,000 Bis(2-Ethylhexyl)phthalate 1300U 3200 49,000		-				
Bis(2-Ethylnexy) primatate	Chrysene Dis 2 Chylleny by the lete					49,000
~	Bis(2-Ethylnexy) phinalate Di-n-octylphthalate					100,000

Ė

;

Sample ID: PAT-2-95-C-0.0-D				T	
Lab ID: PAT-Z-95-C-0.0-D	ļ		Method Detection		Bulk Sediment
Sampling Date: 5/1/95			Limit	Result	Criteria
	Date Extracted	Date Analyzed	ng/kg DW	ug/kg DW	ug/kg
Benzo(b)liuoranthene			13000	500 1	900
Benzo(k)fluoranthene			1300U	450 J	900
Benzo(a)pyrene (BaP)			1300U	400 J	230 900
Indeno(1,2,3-ed)pyrene		ļ	1300U 1300U	 	31
Dibenz(a,h)anthracene Benzo(g,h,i)perylene		 	1300U	140 J	NA
N-nitrosodimethylamine	 	 	130000	1	NA
Benzidine			13000U		NA
1,2-Diphenylhydrazine			13000U		NA NA
Benzyi Alcohol			13000		50,000
	 	 		 	
PESTICIDES/PCBS (SW846 8080):	Į.	ļ		1	
Holding time: 14 days to extract, 40 days to analyze	05/07/95	05/15/95		<u> </u>	
alpha-BHC			470	 	NA.
beta-BHC		 	470	 	NA NA
delta-BHC gamma-BHC (Lindane)	 	 	470	 	520
Heptachlor	 	 	470		150
Aldrin	1		470		40
Heptachlor Epoxide	1		470		NA
Endosulfan I		l	470		50,000
Dieldrin			940		11
4,4'-DDB			94U 94U	82 J	2,000 42
Endrin Endosulfan II	 		940	 	50,000
[Endosulfan II 4,4'-DDD (p,p'-TDE)	+	 	940	 	3.000
Endosulfan Sulfate	 	 	940		50,000
4.4'-DDT	1		940	63 J	2,000
Methoxychlor			470U		50,000
Endrin Ketone			94U		NA NA
Endrin Aldehyde		<u> </u>	94U	ļ	NA
alpha-Chlordane			47U 47U	 	NA NA
gamma-Chlordane	 	 	940		NA NA
Mirex Toxaphene	 	 	9400	 	100
Aroclor-1016	 		470U		29
Aroclor-1221			470U		29
Aroclor-1232			470U		29
Aroclor-1242			470U	ļ	29
Aroclor-1248			470U 470U		29 29
Aroclor-1254 Aroclor-1260	 		470U	 	29
Arocior-1260	 	 	4700	 	
DIODOLATOC TOTAL METAL COURSE (000/7000).	5/16/95, 5/18/95	5/19/95			
INORGANICS - TOTAL METALS (SY/846 6000/7000):	1 7				
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg	[1.900 BN	14,000
Antimony	 			1,500 BN	8,000
Arsenie Berium	 	 	 	156,000	700,000
Bayllium				710 B	1,000
Cadmium				2,900	1,000
Chromium				59,900 N	33,000
Copper	ļ			67,000 N*	28,000
Lead	5/22/95	5/31/95		88,600	21,000 100
Mercury Nickel	JIELIYS	בעווכוכ		28,300	20,900
Sclenium	 			1,100	63,000
Silver]			1,900 N	500
Thallium				2,000	2,000
Vanadium				43,600 368,000	370,000 68,000
Zinc				PERSONAL PROPERTY AND PROPERTY	00,000
	 				
INORGANICS - OTHER (Results in me/ke DW):	1	CHONE COLOR		90,294	NA.
Total Organic Carbon (LOI) Cyanide	 	5/19/95-5/23/95 5/13/95-5/19/95	0.98U	3V,434	1,100
Moisture, in Percent	 	J. 100 9 5 0 1 1 7 7 3	NR		NA NA
	1				
GRAIN SIZE:					
Results in % Recovery		5/24/95, 5/25/95			
Sieve #4			NR		
Sieve #10		1	NR		
Sieve #40			NR		
Sieve #200			NR NR		
Domitte in Deletion 9/	ļl				
Results in Relative % Silt	[NR NR	+	
Clay			NR NR		
	li				

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

NR - Not required

N - Spiked sample recovery not within control limits

Sample ID: PAT-2-95-C-6.8 Lab ID: PAT2C6 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ng/kg DW	Result ng/kg DW	Bulk Sediment Criteria ug/kg
VOLATILE ORGANICS (SW846 8240):		200000			
Holding time: 14 days Accione		05/11/95	110		100,000
Acrolan Acrylonitrile			1100		NA 1000_
Berzene Bromodichloromethane			110		1000
Bromoform			ຳເນັ້ ຳເນັ		1000
Bromomethane 2-Butanone (MEK)			110		50,000
Carbon Tetrachloride 2-Chloroethylvinylether			110	<u> </u>	1000 NA
Chlorobenzene Chloroethane			110		1000 NA
Chloroform			110		1000
Chloromethane 1,2-Dichloropropane			110		10,000
1,1-Dichlorocthane 1,2-Dichlorocthane		}	110	 	10,000
1,1-Dichloroethene			110		8000 1000
Dibromochloromethane 1,2-trans Dichloroethylene			110		50,000
1,2-cis Dichloroethene cis-1,3-Dichloropropene			110	 	1000
trans-1,3-Dichloropropene			110		1000
Ethylbenzene 2-Hexanone			110		NA
4-Methyl-2-Pentanone (MIBK) Methylene Chloride			110	4 JB	50,000 1000
Styrene			110		23,000 1000
Terrachloroethylene 1,1,2,2-Tetrachloroethane			טוו		1000
Tolucne 1,1,1-Trichlorocthane			110		\$00,000 \$0,000
1,12-Trichloroethane Trichloroethene (TCE)			110		1000
Vinyl Chloride			110		2000
Xylenes (Total) 1,1,2-Tetrachloroethane			11U 11U		10,000
SEMIYOLATILE ORGANICS (SW846 8270):					
Holding time: 14 days to extract, 40 days to extract	05/05/95	05/21/95		<u> </u>	
Phenol bis(2-chloroethyl)ether		ļ	380U 380U	100 J	50,000 660
2-Chlorophenol 1,3-Dichlorobenzene			380U 380U		10,000
1,4-Dichlorobenzene			380U		100,000
1,2-Dichlorobenzene 2-Methylphenol			380U 380U		50,000 2,800,000
bis(2-chloroisopropyl)ether 4-Methylphenol			380U 380U		10,000 2,800,000
N-Nitroso-di-n-propylamine			380U		660
Hexachloroethane Nitroberizene			380U 380U	 	6,000 10,000
Sophorone 2-Nitrophanol			380U 380U		50,000 NA
2,4-Dimethylphenol			380U		NA.
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			380U 380U		10,000 68,000 100,000
Naphthalene I-Chloroaniline			380U 380U		100,000 230,000
lexachlorobutadiene			380U 380U		1,000 NA
ois(2-Chloroethoxy)methane I-Chloro-3-methylphenol (p-chloro-m-cresol)			380U		100,000
lexachlorocyclopentadiene 2,4,6-Trichlorophenol			380U 380U		100,000
2,4,5-Trichlorophenol			1900U 380U		50,000 NA
2-Chloronaphthalene Dimetbyl phthalate			380U		50,000
Acensphthylene 1,6-Dinitrotoluene			380U 380U		1,000
Accraphthene 2,4-Dinitrophenol			380U 1900U		16 10,000
-Nitrophenol			1900U		NA
2.4-Dinitrotoluene Dicthylphthalate			380U 380U	 	1,000 50,000
-Chloropharyl-pharylether			380U		NA 18
luorene	i 1		380U 1900U		NA
,6-Dinitro-2-methylphenol			380U		100,000 NA
,6-Dinitro-2-methylphenol I-Nitrosodiphenylamine					
,6-Dinitro-2-methylphenol I-Nitrosodiphenylamine -Bromophenyl-phenylether Jezschlorobenzene			380U 380U		660
,6-Dinitro-2-methylphenol Nitrosodiphenylamine -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenol -Phenophenol -Phenophenol -Phenanthrene			380U 380U 1900U 380U	85 7	660 6,000 NA
,6-Dinitro-2-methylphenol 1-Nitrosodiphenylamine 1-Bromophenyl-phenylether lexachlorobenzene entachlorophenol henanthrene unitracene			380U 380U 1900U 380U 380U	85 J	660 6,000 NA 85
,6-Dinitro-2-methylphenol Nitrosodiphenylamine -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenol -Phenanthrene -Interacere -Interacere -In-butylphthalate -Interacere -Interacere -Interacere -Interacere -Interacere -Interacere -Interacere -Interacere -Interacere -Interacere			380U 380U 1900U 380U 380U 380U 380U	78 J	660 6,000 NA 85 100,000 380
.6-Dinitro-2-methylphenol 1-Nitrosodiphenylamine 1-Bromophenyl-phenylether 1-Bromophenol 1-Bromophen			380U 380U 1900U 380U 380U 380U		660 6,000 NA 85 100,000 380 290 100,000
,6-Dinitro-2-methylphenol Nitrosodiphenylamine -Bromophenyl-phenylether leaschlorobenzene entachlorophenol Phenanthrene henanthrene Di-n-butylphthalate Tuoranthene yrene kyrene			380U 380U 1900U 380U 380U 380U 380U 380U 380U 380U 770U	78 J	660 6,000 NA 85 100,000 380 290 100,000 2,000
,6-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether lexachlorophenol Phenanthrene unitracene Di-n-butylphthalate lluoranthene yrene luoyanthene yrene luoyanthene luoyanthene luoyanthene luoyanthene luoyanthene luoyanthene luoyanthene luoyanthene luoyanthene luoyanthene luoyanthene			008E 008E 008E 008E 008E 008E 008E 008E	78 J	660 6,000 NA 85 100,000 380 290 100,000

Sample ID: PAT-2-95-C-6.8 Lab ID: PAT2C6 Sampling Date: 5/1/95			Method Detection Limit	Result	Bulk Sedimen Criteria
	Date Extracted	Date Analyzed	ug/kg DW 380U	ug/ke DW	ue/ke 5W
senzo(b) il uomanthene			3800	55 1	900
Berzo(k)fluoranthene			380U	41]	
Ветго(а)ругеле (ВаР)			380U	41 3	230
ndeno(1,2,3-od)pyrene			380U		900
Dibertz(a,h)anthracene			380U	<u> </u>	31
Barzo(g,h,i)parylane			380U		NA.
N-nitrosodimethylamine		I	3800U	<u></u>	NA
Bezzidine			3800U		NA.
,2-Diphenylhydrazine			3800U	L	NA_
Berzyl Alcohol			380U	L	50,000
PESTICIDES/PCBS (SW846 8080):				1	
		065456			
Holding time: 14 days to extract, 40 days to extract	05/07/95	05/24/95			NA
lpha-BHC			9U 9U		- NA
eta-BHC	_				
elta-BHC	<u> </u>		90		NA NA
zmma-BHC (Lindane)			90		520
ieptachlor		<u> </u>	90		150
Udrin			90	<u> </u>	40
spechlor Epoxide			90		N _A
ndosulian I			90		50,000
heldrin			18U		11
4'-DDB			18U		2,000
ndrin .			18U		42
ndosulfan II			18U		50,000
4-DDD (p.p'-1DB)	 		18U		3,000
ndosulfan Sulfate		t	18U		50,000
4'-DDT			18U		2,000
lethoxychlor	 	<u> </u>	92U	-	30,000
ndrin Ketone			18U		NA
ndrin Aldehyde			180		NA
pha-Chlordane			90		NA
imma-Chlordane			90		NA
irex			180		· NA
			1800		100
oxaphene roctor-1016			920		29
			920		29
roclor-1221	_		920		29
roclor-1232					29
roclor-1242			920		29
roclor-1248		<u> </u>	920		
roclor-1254	_		92U		29 29
roclor-1260	_ 		92U		
<u> </u>					
NORGANICS - TOTAL METALS (STY846 6000/7000);	5/16/95, 5/18/95	5/19/95		i i	
		all except Hg		l l	
olding time: 6 months (Hg 14 days)	all except Hg	an caces my	3700	370 UN	14,000
ntimony	 		3700	820 B	8,000
rsenic				12,000 B	700,000
erium				12,000 B	1,000
yllium	 		3011	140 0	1,000
dmium	 	ļ	30U		3,000
romium				6,000 N 1,900 BN*	33,000
pper					28,000
totalba				2,900	21,000
arcury	3/22/95	5/31/95	1100		100
ckel				4,700	20,900
lenium			2100		63,000
ver			600	60 UN	500
isllium			350U		2,000
ınadium		L		5,300	370,000
nc				18,100	68,000
ORGANICS - OTHER (Results in me/ke DW):			- 1		•
otal Organic Carbon (LOI)		5/19/95-5/23/95	i	11,333	NA
vanide		5/13/95-5/19/95	0.370		1,100
oisture, in Percent	 			13.00	NA
visite of the gradual control of the gradual	 				
					
RAIN SIZE:	[1	j	
sults in % Recovery		5/24/95, 5/25/95			
eve #4				17.1	<u> </u>
eve #10				7.2	
ve #40				27.2	
ve #200				4.35	
sults in Relative %					
				4.3	
				0.7	
ay				<u> </u>	

Definitions:

NA - Not Available

ug/kg - milligrams per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

NR - Not required

N - Spiked sample recovery not within control limits

Sample ID: PAT-3-95-C-0.0 Lab ID: PAT3C0 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
VOLATILE ORGANICS (SW846 8240):		05/10/95			
Holding time: 14 days	<u> </u>	03/10/93	190		100,000
Acrolein Acrylonitrile			190U 190U		NA 1000
Benzene			190		1000 1000
Bromodichloromethane Bromoform	 	ļ	19U 19U		1000
Bromomethane			19U 19U		1000 50,000
2-Butanone (MEK) Carbon Tetrachloride			19U		1000
2-Chloroethylvinylether Chlorobenzene	 		19U 19U	 	NA 1000
Chloroethane			19Ü 19Ü		NA 1000
Chloroform Chloromethane	 		190		10,000
1,2-Dichloropropane			19U 19U		10,000
1,2-Dichlorocthane			190		1000 8000
1,1-Dichloroethene Dibromochloromethane	l		19U 19U		1000
1,2-trans Dichloroethylene			19U 19U		50,000
1,2-cis Dichloroethene cis-1,3-Dichloropropene			19U		1000
trans-1,3-Dichloropropene			190	 	100,000
Ethylbenzene 2-Hexanone			190		NA .
4-Methyl-2-Pentanone (MIBK) Methylene Chloride	 		19U 19U	13 J	50,000 1000
Styrene			19U 19U		23,000 1000
Tetrachloroethylene 1,1,2,2-Tetrachloroethane			190		1000
Tolucne I.I.I-Trichloroethane			19U 19U	6 3	500,000 50,000
1,1,2-Trichloroethane			190		1000
Trichloroethene (TCB) Vinyl Chloride			19U 19U		1000
Xylenes (Total)			19U		10,000
1,1,1,2-Tetrachloroethane			190		1000
SEMIVOLATILE ORGANICS (SW846 8270):		255256			
Holding time: 14 days to extract, 40 days to extract Phenol	05/05/95	05/20/95	1300U		50,000 660
bis(2-chloroethyl)ether			1300U 1300U		660
2-Chlorophenol 1.3-Dichlorobenzene			1300U_		100,000
1,4-Dichlorobenzene			1300U 1300U		100,000 50,000
1,2-Dichlorobenzene 2-Methylphenol			1300U		2,800,000
bis(2-chloroisopropyl)ether 4-Methylphenol			1300U 1300U		10,000
N-Nitroso-di-n-propylamine			1300U 1300U		660 6,000
Hexachloroethane Nitrobenzene			1300U		10,000
Isophorone 2-Nitrophenol			1300U 1300U		50,000 NA
2.4-Dimetrylphenol			1300D		NA
2.4-Dichlorophenol			1300U 1300U		10,000 68,000
Naphthalene			1300U 1300U		100,000 230,000
4-Chloroaniline Hexachlorobutadiene			1300U		1,000
bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			1300U 1300U		NA 100,000
Hexachlorocyclopentadiene			1300U		100,000
2,4,5-Trichlorophenol	<u> </u>		1300U 6400U		50,000
2-Chloronaphthalene			1300U 1300U		NA 50,000
Dimethyl phthalate Acenaphthylene			1300U		44
2,6-Dinitrotoluene Acensphthene		T	1300U 1300U		1,000
2,4-Dinitrophenol			6400U		10,000
4-Nitrophenol 2.4-Dinitrotoluene			6400U 1300U		NA 1,000
Incthylphthalate			1300U		50,000
c-Chlorophenyl-phenylether Fluorene			1300U 1300U		NA
4,6-Dinitro-2-methylphenol			5400U 1300U		NA 100,000
N-Nitrosodiphenylamine 4-Bromophenyl-phenylether			1300U		NA
Hexachlorobenzene Pentachlorophenol			1300U 6400U		660
Phenanthrene			1300U	200 J	NA
Anthracene Di-n-butylphthalate			1300U 1300U		83 100,000
Fluoranthene			1300U 1300U	390 J	380 290
Pyrene Butylbenzylphthalate			1300U	410.72	100,000
3,3'-Dichlorobergidine			2600U 1300U	13e 210 J ≥	2,000 160
Benzo(s)anthracene Chrysene			1300U	260 J	220
Bis(2-Ethylhexyl)phthalate			1300U 1300U	1400	49,000 100,000
Di-n-octylphthalate			13000		,

Sample ID: PAT-3-95-C-0.0 Lab ID: PAT3C0 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ve/kg
Benzo(o)iluoranthene			13000	280 1	900
Benzo(k)fluoranthene			1300U	180 J	900
Benzo's byrene (BaP)			1300U	230 J	230
Indeno(1,2,3-cd)pyrene			1300U	130 J	900
Dibenz'a,h)anthracene			1300U		31
Benzo(g,h,i)perylene			1300U	150 J	NA
N-nitrosodimethylamine			13000U		NA NA
Benzidine			13000U	<u> </u>	NA NA
1,2-Diphenylhydrazine			130000		NA
Benzyl Alcohol			1300U		50,000
				<u> </u>	
PESTICIDES/PCBS (SW846 8080):			İ	1	
Holding time: 14 days to extract, 40 days to extract	05/07/95	05/15/95			
alpha-BHC			460		NA
octa-BHC		1	460		NA NA
ielu-BHC			460		NA NA
amma-BHC (Lindane)			46U		520
deptachlor	—		46U	<u> </u>	150
Aldrin		1	460	 	40
Heptachlor Epoxide			460		NA
ndosulian I		 	460	 	50,000
Dieldrin			920	 	11
			920	72]	2,000
A'-DDE	 	 	92U		42
indrin			920		50,000
ndosujían II				ļ———	3,000
4'-DDD (p.p'-TDE)		 	920	 	50,000
ndosulfan Sulfate		<u> </u>	920	L	
,4'-DDT			920	ļ .	2,000
Methoxychlor			460U	<u> </u>	30,000
ndrin Ketone			920		NA.
ndrin Aldehyde		L	920	L	NA NA
lipha-Chlordane		L	460	<u> </u>	NA NA
emma-Chiordane			460		NA
Mirex			92U		NA
Toxaphene			920U		100
Aroclor-1016			460U		29
Aroclor-1221			460U		29
Aroclor-1232			4600		29
Aroclor-1242			460U .		29
Aroclor-1248			460U		29
Aroclor-1254			460U		29
Aroclor-1254 Aroclor-1260	 		4600		29
100.00-1200	 				
NORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95			
	all except Hg	all except Hg]	
Holding time: 6 months (Hg 14 days)	all except rig	and don ng		2,400 BN	14,000
Antimony				9,500 Person	8,000
usenic				168.000	700.000
Barium	 			690 B	1,000
Beryllium	_				1,000
admium		ļ		3,300	33,000
hromium	 			60,000 N	
Copper				104,000 N°	28,000
ead	 	(5) 5		94,500	21,000
fercury	5/22/95	5/31/95		440	100
lickel				31,000	20,900
elenium				1,300	63,000
ilvar				2,400 N	500
hallium				2,100	2,000
anadium				38,300	370,000 68,000
inc				400,000	68,000
NORGANICS - OTHER (Results in me/ke DW): otal Organic Carbon (LOI)		5/19/95-5/23/95		49,904	NA
yanide	1	5/13/95-5/19/95	0.96U		1,100
foisture, in Percent				48.00	NA NA
FRAIN SIZE:	1	count corns			
Results in % Recovery		5/24/95, 5/25/95			
ieve #4				0.0	
ieve #10				0.0	
ieve #40				0,9	
ieve #200				25	
esulu in Relative %					
lt				65.0	
lay				9.1	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

٠-

:

Sample ID: PAT-3-95-C-6.25 Lab ID: PAT3C6 Sampling Date: 5/1/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW 5200	Result ug/kg DW	Bulk Sediment Criteria ug/kg 900
Benzo(b)fluoranthene	1		3200		500
Benzo(k)fluoranthene			520U		900
Bcizo(a)pyrene (BaP)			520U	170 J	230
Indeno(1,2,3-cd)pyrene			520U		900
Diberz(a,h)anthracene			520U		31
Benzo(g,h,i)perylene			520U		NA NA
N-nitrosodimethylamine			5200U		NA NA
Benzidine			5200U		NA_
1,2-Diphenylhydrazine		<u> </u>	5200U		NA NA
Benzyl Alcohol			520U		50,000
PESTICIDES/PCBS (SW846 8080):	i		•	1	
	05/07/95	05/13/95)		
Holding time: 14 days to extract, 40 days to analyze	03/07/93	03/13/93	130		NA
alpha-BHC beta-BHC			130		NA NA
delta-BHC			130		NA.
gamma-BHC (Lindane)		 	130		520
gamma-BHC (Lindane) Heptachlor		 	130		150
Aldrin			130		40
Addrar Heptachlor Epoxide	 	 	130		NA
Endosulfan I	+	 	130		50,000
Dieldrin	- 	 	230		11
4.4'-DDE	 	 	230		2,000
4,4-DDB Endrin		 	230		42
Endoculfan II		l	230		50,000
endokulan 11 4,4'-DDD (p,p'-TDE)		 	250		3,000
Endosulfan Sulfate	 	 	250		50,000
4,4-DDT			230		2,000
Methoxychior			130U		50,000
Endrin Ketone			25U		NA
Endrin Aldehyde			25U		NA
alpha-Chlordane			13U		NA
gamma-Chlordane			130		NA.
Mirex			230		NA
Toxaphene			250U		100
Aroclor-1016			130U		29
Aroclor-1221			130U		29
Aroclor-1232			130U		29
Arocior-1242			130U		29
Aroclor-1248			130U		29
Arocior-1254			130U		29
Aroclor-1260			1300		29
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95			
	1	1	1	·	
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg		740 BN	14,000
Antimony				7,000	8,000
Arsanic		<u> </u>		110,000	700,000
Barium			30U	110,000	1,000
Beryllium			, JVU	140 B	1,000
Cadmium				31,100 N	33,000
Chromium				10,300 N°	28,000
Copper				9,100	21,000
Lead	5/22/95	5/31/95	1600	2,100	100
Mercury Nickel	312473	313673	100	20,000	20,900
	 			450 B	63,000
Selenium				120 BN	300
Silver				1.300 B	2.000
Vanadium					370,000
Vanscium Zinc	+			29,300 50,800	68,000
	 				
					
INORGANICS - OTHER (Results in me/ke DW):	į			10.00	MA
Total Organic Carbon (LOI)		5/19/95-5/23/95	- A 2011	48,563	NA 1100
Cyanide	<u> </u>	5/13/95-5/19/95	0.78U	1/44	1,100
Moisture, in Percent				36.00	NA
	<u> </u>				
GEOTECHNICAL TESTING:					
Results in % Recovery		5/24/95, 5/25/95	l		
Sieve #4				17.6	
Sieve #10				0.9	
Sieve #40	· · · · · · · · · · · · · · · · · · ·			8.5	
Sieve #200				19.0	
Results in Relative %					
Silt	1			36.2	
Clay				18.1	
				- 1	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: PAT-4-95-C-0.0 Lab ID: PAT4C0 Sampling Date: 4/30/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria vg/kg
VOLATILE ORGANICS (SW846 8240):		חכתיים			
Holding time: 14 days		05/05/95 and 05/08/95	15U		100,000
Acrolein Acrylonitrile	 	hits from both run reported	1500		NA 1000
Berzene			15U 15U		1000 1000
Bromodichloromethane Bromoform			150		1000
Bromomethane 2-Butanone (MEK)			15U 15U		1000 50,000
Cerbon Tetrachloride			150		1000
2-Chloroethylvinylether Chloroberzene			15U 15U		NA 1000
Chlorochane			13U		NA
Chloroform Chloromethane			15U 15U		1000
1,2-Dichloropropane			130		10,000
1,1-Dichloroethane		<u> </u>	15U 15U	ļ	10,000 1000
1,1-Dichloroethene			150		8000
Dibromochloromethane 1.2-trans Dichloroethylene			15U 15U	ļ	1000 50,000
1,2-cis Dichloroethene			15U		1000
cis-1,3-Dichloropropene trans-1,3-Dichloropropene			130		1000
Ethylbenzene			130		100,000
2-Hexanone 4-Methyl-2-Pentanone (MIBK)			150	ļ	NA 50,000
Methylene Chloride			150	53/150	1000
Styrene Tetrachloroethylene			15U 15U		23,000 1000
1,1,2,2-Tetrachloroethane			150		1000
Tolucne 1,1,1-Trichlorocthane			13U 15U	33/150	500,000 50,000
1,1,2-Trichloroethane			130		1000
Trichloroethene (TCE) Virryl Chloride			15U 15U	 	1000 2000
Xylenes (Total)			15U		10,000
1,1,1,2-Tetrachloroethane			150		1000
SEMIVOLATILE ORGANICS (SW846 8270):					
Holding time: 14 days to extract, 40 days to analyze	05/05/95	05/20/95			
Phenol bis(2-chloroethyl)ether			490U 490U	3100	50,000 660
2-Chlorophenol			490U	2200	10,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene			490U 490U	1400	100,000
1,2-Dichlorobenzene			490U 490U		50,000 2,800,000
2-Methylphenol bis(2-chloroisopropyl)ether			490U		10,000
4-Methylphenol N-Nitroso-di-n-propylamine			490U 490U	1400	2,800,000 660
Hexachloroethane			490U	- Name and the Property of the	6,000
Nitroberizene Isophorone			490U 490U		10,000 50,000
2-Nitrophenol			490U		NA
2,4-Dimethylphenol 2,4-Dichlorophenol			490U 490U		NA 10,000
1,2,4-Trichlorobenzene			490U	1400	68,000
Naphthalene 4-Chloroaniline			490U 490U		100,000 230,000
Hexachlorobutadiene			490U		1,000
bis(2-C::lorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			490U 490U	2900	NA 100,000
Hexachlorocyclopentadiene	<u> </u>		490U	2,00	100,000
2,4,6-Trichlorophenol 2,4,5-Trichlorophenol			490U 2400U		10,000 50,000
2-Chloronaphthalene			490U		NA
Dimethyl phthalate Accomplithylene			490U 490U	<u> </u>	50,000
2,6-Dinitrotolucne			490U		1,000
					16
			490U	1600	
2,4-Dinitrophenol 4-Nitrophenol			490U 2400U 2400U	3100	10,000 NA
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene			490U 2400U 2400U 490U		10,000 NA 1,000
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diehylphihalate 4-Chlorophenyl-phenylether			490U 2400U 2400U 490U 490U 490U	3100	10,000 NA 1,000 50,000 NA
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether			490U 2400U 2400U 490U 490U 490U 490U	3100	10,000 NA 1,000 50,000 NA 18
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diehylphihalate 4-Chlorophenyl-phenylether Fluorene 1,6-Dinitro-2-methylphenol V-Nitrosodiphenyletnine			490U 2400U 2400U 490U 490U 490U 490U 2400U 490U	3100	10,000 NA 1,000 50,000 NA 18 NA 100,000
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 1-Chlorophenyl-phenylether Fluorene 1,6-Dinitro-2-methylphenol Nitrosodiphenylamine 1-Bromophenyl-phenylether			490U 2400U 2400U 490U 490U 490U 490U 2400U 490U 490U	3100	10,000 NA 1,000 50,000 NA 18 NA
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Dichylphitralate 4-Chlorophenyl-phenylether Pluorene 1,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 1-Bromophenyl-phenylether Heaschlorobenzene Pentachlorophenol			490U 2400U 2400U 490U 490U 490U 490U 490U 490U 490U	3100	10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diehyiphihalate 4-Chlorophenyl-phenylether Fluorene 1,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 1-Bromophenyl-phenylether 1-exachlorobenzene Pentachlorophenol Phenanthrene			490U 2400U 2400U 490U 490U 490U 490U 2400U 490U 490U 490U 490U 490U 490U	3100	10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrophenol 2,4-Dinitrotoluene Dichylphihalate 4-Chlorophenyl-phenylether Pluorene 1,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 1-Bromophenyl-phenylether Heachlorobenzene Pentachlorophenol Phenanthrene Anthraseene Di-n-burylphihalate			490U 2400U 2400U 490U 490U 490U 490U 490U 490U 490U	3100	10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrophenol 2,4-Dinitrotoluene Dichylphihalate 4-Chlorophenyl-phenylether Fluorene 1,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 1-Bromophenyl-phenylether 1-Bromophenyl-phenylether 1-Bromophenyl-phenylether 1-Bromophenol Phenanthrene 1-Bromophenol Phenanthrene 1-Bromophenol Phenanthrene 1-Bromophenol Phenanthrene 1-Bromophenol Phenanthrene 1-Bromophenol Phenanthrene 1-Bromophenol Phenanthrene 1-Bromophenol Phenanthrene 1-Bromophenol Phenanthrene 1-Bromophenol Phenanthrene			490U 2400U 2400U 490U 490U 490U 490U 2400U 490U 490U 490U 490U 490U 490U 490U	3100 1800	10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diehyiphihalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bomophenyl-phenylether Heachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Phenanthrene Anthreese Di-n-butylphthalate Thoranthene			490U 2400U 2400U 490U 490U 490U 490U 490U 490U 490U	3100	10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Dichylphithalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene Prene Strylbenzylphthalate 1,3-Dichlorobenzidine			490U 2400U 2400U 490U 490U 490U 490U 490U 490U 490U	3100 1800	10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 6660 6,000 NA 85 100,000 380 290 100,000 2,000
Acamphitene 2,4-Dinitrophenol 4.Nitrophenol 2,4-Dinitrotoluene Dichylphithalate 4.Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N.Nitrosodiphenylamine 4,6-Dinitro-2-methylphenol N.Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorophenol Phenanthrene Phitachlorophenol Phenanthrene Anthrecee Di-n-burylphthalate Di-n-burylphthalate Pyrene Butylbenzylphthalate Butylbenzylphthalate Butylbenzylphthalate Benzo(a)anthrecee Benzo(a)anthrecee			490U 2400U 2400U 490U 490U 490U 490U 490U 490U 490U	3100 1800	10,000 NA 1,000 50,000 NA 18 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000 160 220
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrophenol Diethyiphthalate 4-Chlorophenyl-phenylether Thoorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Texachlorobenzene entachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Di-n-butylphthalate Nitrosene Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate Strylbenzylphthalate			490U 2400U 490U 490U 490U 490U 490U 490U 490U	3100 1800	10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 100,000 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000 160

Section of

C 1 TO DAME 405 C 2 2					
Sample ID: PAT-4-95-C-0.0 Lab ID: PAT4C0		1	Method Detection		Bulk Sediment
Sampling Date: 4/30/95	1		Limit	Result	Criteria
on the second se	Date Extracted	Date Analyzed	ug/kg DW	ng/kg DW	ng/kg
Bazo(b)liuoranthare			. 4900		900
Berzo(k)fluoranthene			490U		900
Benzo(a)pyrene (BaP)			490U 490U		230 900
Indeno(1,2,3-cd)pyrene	- 		490U		31
Diberz(a,h)anthracene Berzo(a,h,i)perylene			490U		NA
N-nitrocodimethylamine	 		4900U		NA .
Benzidine			4900U		NA
1,2-Diphenylhydrazine			4900U	<u> </u>	NA (0.000
Benzyl Alcohol	 		490U		50,000
		 			
PESTICIDES/PCBS (SW846 8080):					
Holding time: 14 days to extract, 40 days to analyze	05/05/95	05/14/95	<u> </u>		
alpha-BHC			24U	 -	NA NA
beta-BHC			24U 24U		NA NA
delta-BHC garmna-BHC (Lindane)			240		520
Heptachlor	 		24U		150
Aldrin	1		24Ü		40
Heptachlor Epoxide	J		24U		NA .
Endosulfan I			24U		50,000
Dieldrin	<u> </u>		470		2,000
4,4'-DDB	 		47U 47U		42
Endrir		 	470		50,000
Endo: .fan II 4.4-DDD (p.p'-TDE)	 	-	470		3,000
Endosulfan Sulfate			470		50,000
4,4'-DDT	 		470		2,000
Methoxychlor			2400		. 50,000
Endrin Ketone			470		NA .
Endrin Aldehyde			470	<u> </u>	NA NA
alpha-Chlordane	<u> </u>		24U 24U		NA NA
gamma-Chlordane			470		NA NA
Mirex Toxaphene	 		470U		100
Aroclor-1016			240U		29
Aroclor-1221			240U		29
Aroclor-1232			240U		29
Aroclor+1242			240U		29 29
Aroclor-1248	 	ļ	240U 240U		29
Aroclor-1254		<u> </u>	240U		29
Aroclor-1260			2400		
	5/16/95, 5/18/95	5/19/95			
INORGANICS - TOTAL METALS (SW846 6000/7000):					
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg		830 BN	14,000
Antimony	<u> </u>	L		4 400	8,000
Asavic	 			4,400 99,700	700,000
Berium Beryllium	 		300		1,000
Cadmium	1			210 B	1,000
Chromium				28,700 N	33,000
Copper				9,400 N*	28,000
Lead	- / FX X Y	75.27	12/11	8,200	21,000 100
Mercury	5/22/95	5/31/95	1500	18,500	20,900
Nickel Selenium	 	 		880	63,000
Silver		 		510 BN	500
Thallium	1			1,400 B	2,000
Vanadium				26,900 55,200	370,000
Zinc				33,200	68,000
	 				
INORGANICS - OTHER (Results in me/ke DW):					.,,
Total Organic Carbon (LOI)	ļ	5/19/95-5/23/95	7 7 7 7 7	40,868	NA 1,100
Cyanide	 	5/13/95-5/19/95	0.74U	32.00	1,100 NA
Moisture, in Percent					
	 				
GRAIN SIZE:		COURS CHENS		i	
Results in % Recovery		5/24/95, 5/25/95		0.0	
Sieve #4 Sieve #10	1			0.0	
Sieve #40	1			0.9	
Sieve #200	 			13.2	
Results in Relative %					
Silt				77.1	
Clay	 			8.8	

Definitions:

NA - No: Available

112/12 - In. crogrems per kilogram, parts per billion

113/12 - In. crogrems per kilogram, parts per million

11 - Undetected

12 - Estimated value

13 - Detected in laboratory blank (organics), Reported value less than Contract Required DL

15 - Duplicate than or equal to Instrument DL (inorganics)

10 - Duplicate analysis not within control limits

10 - Detection limit

10 - Dry weight corrected

10 - Result obtained on diluted sample

11 - Spiked sample recovery not within control limits

YOLATILE ORGANICS (SW846 8240): Rolding time: 14 days	100,000 NA 1000 1000 1000 1000 1000 1000 NA 1000 NA 1000 NA 1000 10,000 10,000 10,000
Accion ISU	NA 1000 1000 1000 1000 1000 50,000 1000 NA 1000 NA 1000 10,000
Acrolonity	NA 1000 1000 1000 1000 1000 50,000 1000 NA 1000 NA 1000 10,000
Actionative	1000 1000 1000 1000 50,000 1000 NA 1000 NA 1000 10,000
Bromolichloromethane	1000 1000 50,000 1000 NA 1000 NA 1000 10,000
Bromoform	1000 1000 50,000 1000 NA 1000 NA 1000 10,000
Bromomethane	50,000 1000 NA 1000 NA 1000 10,000
Carbon Tetrachloride	1000 NA 1000 NA 1000 10,000
2-Chlorocthylvinylether	1000 NA 1000 10,000
Chlorocthane	NA 1000 10,000 10,000
Chloroform 150 Chloroform 150 Chloroform 150 Chloroform 150 Chloroform 150 Chloroformel 15	1000 10,000 10,000
Chloromethane	10,000
1,1-Dichloroethane	10,000
1.2-Dichloroethane	10,000
Dibromochloromethane 15U	1000
Distribution of the zare	8000 1000
1.2-trans Dichloroethylene 15U	50,000
1,2-cis Dichloroethene	1000
ci1,3-Dichloropropene 150 trans-1,3-Dichloropropene 150	1000
Ethylbenzene 15U	100,000
2-Hexanone 15U 4-Methyl-2-Pentanone (MIRK) 15U	NA 50,000
Menylene Chloride 15U 3 JB	1000
Styreno 150	23,000
Tetrachloroethylene	1000
Toluene 150	500,000
1,1,1-Trichlorocthane 15U	50,000 1000
1,1,2-Trichloroethane 150 Trichloroethane (TCE) 150	1000
Vinyl Chloride 15U	2000
Xylones (Total)	10,000
I,I,Z-Terradulorocausic	
	
SEMIYOLATILE ORGANICS (SW846 8270):	}
Holding time: 14 days to extract, 40 days to extract 05/05/95 05/20/95 S10U 2700	50,000
Phenol	660
2-Chlorophenol 510U 2900	10,000
1,3-Dichloroberzene	100,000
1 2 Djehlorobenzene 510U	50,000
2-Mahylphanol 5100	2,800,000
bis/2-chloroisopropyl)ether \$100 4-Methylphenol \$100	2,800,000
N-Nitroso-di-n-propylamine 510U 1500	660
Herachloroethane 510U Nitrobenzene 510U	6,000 10,000
Isophorone 510U	50,000
2-Nitrophenol 510U 510U 510U	NA NA
2,4-Dimethylphenol \$100 2,4-Dichlorophenol \$100	10,000
1,2,4-Trichlorobenzene 510U 1600	68.000
Nephthelene	100,000
Hexachlorobutadiene 510U	1,000
bis/2-Chlorocthoxy/methane 510U 4-Chloro-3-methylphenol (p-chloro-m-cresol) 510U 2900	NA 100,000
Herachlorocyclopeniadiene 510U	100,000
2,4,6-Trichlorophenol 510U	10,000 50,000
2.4.5-Trichlorophenol 2600U 2-Chloropaphthalene 510U	NA
Dimetryl phihalate 510U	50,000
Accasphthylene	1,000
Accuphthene 510U 510U	16
2,4-Dinitrophenol 2600U	10,000 NA
4-Nitrophenol 2600U 3300 [2,4-Dinitrotoluene 510U 1900	1,000
Distryiphthalate 510U	: 000
4-Chloropharyl-pharyletha	.;A 18
4,6-Dinitro-2-methylphenol 2600U	NA
N-Nitrosodiphenylamine 510U	100 000 A-1
Herachlorobertzene 510U	660
Pentachlorogical 2600U 3900	6,000
Phenanthrene \$100 Anthracene \$100	NA 85
Di-n-butylph:halate 510U	100,000
Piuoranthene 510U	380 290
Burylbenzylphthalate	100,000
3.3-Dichlorobergadine	2,000
Berzo(a)anthracene 510U	160 220
Chrysche 510U 510U 510U 510U 510U 510U 510U 510U	49,000
Di-n-octylphthalate S10U	10.,000

Sample ID: PAT-4-95-C-5.0 Lab ID: PAT4C5 Sampling Date: 4/30/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
enzo(b)[luoranthene		ļ	5100		900
enzo(k)fluoranthene		ļ	510U 510U		230
спио(а)рутеле (ВаР)		<u> </u>	310U 310U		900
ndeno(1,2,3-cd)pyrene		ļ <u>.</u>	3100		31
hiberz(a,h)enthracene		 			NA NA
enzo(gh,i)perylene		ļ	510U 5100U		NA NA
-nitrosodimethylamine		ļ			NA NA
enzidine		<u> </u>	3100U		NA NA
2-Diphenylhydrazine		ļ 	5100U 510U		50,000
enzyl Alcohol			3100		30,000
ESTICIDES/PCBS (SW846 8080): lolding time: 14 days to extract, 40 days to extract	05/05/95	05/14/95			
lpha-BHC			250		NA NA
as-BHC			250		NA_
elta-BHC			25U		NA
amma-BHC (Lindane)			250		320
eptachlor			250		150
Jdnin			25U		40
eptachlor Epoxide			250	L	NA_
ndosulfan I			250		50,000
rieldrin			49U		11
A'-DDE			490		2,000
ndrin			490		42
ndosulian II			490		50,000
4'-DDD (p,p'-TDE)			49U		3,000
ndosulfan Sulfate		1	490		50,000
A'-DDT			49 U		2,000
(ethoxych) or			2500		50,000
ndrin Ketone			490		NA
ndrin Aldehyde		I	490		NA
pha-Chlordane		·	25U		NA.
amma-Chlordane			25U		NA
Airex			49U		NA
oxaphene			4900		100
groclor-1016			250U		29
roclor-1221			250U		29
roclar-1232			250U		29
uroclor-1242			2500		29
roclor-1248			2500		29
roclor-1254			2500		29
roclor-1260			250U		29
NORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95, 5/18/95	5/19/95			
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg	4	ľ	
untimony				730 BN	14,000
uscnic				4,200	8,000
anum				83,800	700,000
cryllium	1		30U		1,000
admium		1		190 B	1,000
hromium				24,700 N	33,000
оррег	1	<u> </u>		8.600 N°	28,000
ead	T			7,300	21,000
ercury	5/22/95	5/31/95	150 U		100
ickel				16,500	20,900
denium				1,000	63,000
lvæ	T		90U	90 UN	500
hallium	1			890 B	2,000
anadium				23,200 46,200	370,000
inc				46,200	68,000
IONGLATICS OFFITT OF THE STATE	 				
HORGANICS - OTHER (Results in mg/kg DW): otal Organic Carbon (LOI) yanide		5/19/95-5/23/95 5/13/95-5/19/95	0.770	26,046	NA 1,100
oisture, in Percent				35.00	NA
	 				
RAIN SIZE: csults in % Recovery		5/24/95, 5/25/95			
cve #4				0.0	
eve #10				0.0	
eve #40				3,2	
eve #200				16.5	
sults in Relative %					
sults in Relative %	1			49.2	
ay	1			31.0	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimsted value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

OLATILE ORGANICS (SW846 8240);	Date Extracted	Date Analyzed	Method Detection Limit vg/kg DW	Result	Bulk Sedimer Criteria ve/ke
Bolding time: 14 days		5/8/95		j	
Accione Acrolein			140		100,000
Acrylonitrile		 	140U 140U		1,000
Benzene			140		1,000
Bromodichloromethane			14U		1,000
Promoform Promogrethane		 	14U		1,000
-Butanone (MEK)		 	140		30,000
Carbon Tetrachloride			14U		1,000
-Chloroethylvinylether Thlorobenzene		ļ	140		NA.
hiprocthane		 	14U	- 	1,000 NA
hloroform			140		1,000
hiloromethane			14U		10,000
2-Dichloropropane ,1-Dichlorocthane		 	14U 14U	 	10,000
2-Dichloroethane		 	140	 	1,000
,1-Dichloroethene			140		8,000
Dibromochloromethane			14U		1,000
2-trans Dichloroethylene 2-cis Dichloroethene		 	14U 14U		50,000
is-1,3-Dichloropropene		 	140	 	1,000
ans-1,3-Dichloropropene			140	1	1,000
ithylbenzene Hexanone			140	ļ	100,000
-Hexanone -Methyl-2-Pentanone (MIBK)		 	14U 14U	 	NA 50,000
lethylene Chloride			14U	9 1B	1,000
tyrene			140		23,000
strachloroethylene 1,2,2-Tetrachloroethane			140		1,000
plume	- 	 	140	 	500.000
1,1-Trichloroethane			140		30,000
1,2-Trichloroethane			14U		1,000
ichloroethene (TCE)			14U	 	1,000
ylanes (Total)		 	140	- 	2,000 10,000
1,2-Tetrachloroethane			140		1,000
	_:				
enol (2-chlorocthyl)ether -Norophenol -Dichlorobeazene			460U 460U 460U 460U		50,000 660 10,000 100,000
I-Dichlorobenzene			460U		100,000
l-Dichlorobenzene Methylphenol			460U 460U		50,000 2,800,000
(2-chloroisopropyl)ether			4600	 	10,000
Methylphenol Nitroso-di-n-propylamine			460U		2,800,000
xachloroethane			460U 460U	 	660
robenzene			4600		10,000
phorone			460U		50,000
litrophenol -Dimethylphenol			460U 460U	 	NA NA
-Dichlorophenol			4600	 	10,000
4-Trichlorobenzene			460U		68,000
phthalene Dioroaniline			460U 460U	86 J	100,000
achlorobutadiene			460U	 	230,000
2-Chloroethoxy)methane			460U		NA
hloro-3-methylphenol (p-chloro-m-cresol) sachlorocyclopentadiene			460U 460U	<u> </u>	100,000
				 	100,000
6-Trichlorophenol		· · · · · · · · · · · · · · · · · · ·			ILL CART
6-Trichlorophenol 5-Trichlorophenol			460U 2300U		50,000
6-Trichlorophenol 5-Trichlorophenol hloronsphthalene			460U 2300U 460U		50,000 NA
6-Trichlorophenol 5-Trichlorophenol hloronaphthalene neithyl phthalate naphthylene			460U 2300U 460U 460U		50,000 NA 50,000
6-Trichlorophenol 5-Trichlorophenol hloronaphthalene netryl phthalate asphthylene Dinitrotoluene			460U 2300U 460U 460U 460U 460U		50,000 NA 50,000 44 1,000
6-Trichlorophenol 5-Trichlorophenol hloronsphthalene tetryl phthalate naphthylene Dinitrotoluene naphthene			460U 2300U 460U 460U 460U 460U 460U	97.]	50,000 NA 50,000 44 1,000
6-Trichlorophenol 5-Trichlorophenol hloronsphthalene netryl phthalate naphthylene Dinitrotoluene naphthene Dinitrotoluene			460U 2300U 460U 460U 460U 460U 460U 2300U	建热性能量的产97:1+20	50,000 NA 50,000 44 1,000 16
6-Trichlorophenol 5-Trichlorophenol Micronaphthalene nethyl phthalate naphthylene Dinitrotoluene naphthene Dinitrophenol Dinitrophenol Dinitrotoluene			460U 2300U 460U 460U 460U 460U 460U 2300U 2300U 2300U	建热等标准的表示。97:37:03	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000
6-Trichlorophenol 5-Trichlorophenol hloronsphthalene netryl phthalate naphthylene Dinitrotoluene naphthene Dinitrophenol itrophenol Dinitrotoluene hylphthalate			460U 2300U 460U 460U 460U 460U 460U 2300U 2300U 2460U 460U 460U	建基础等级设施设施。 97 -37-20	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000
6-Trichlorophenol 5-Trichlorophenol hloronsphthalene nethyl phthalate naphthylene Dinitrotoluene naphthene Dinitrotoluene Dinitrotoluene hlyphthalate Dinitrotoluene hlyphthalate Dinitrotoluene hlyphthalate			460U 2300U 460U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U	思热等和自然的多 7 -3十七年	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA
6-Trichlorophenol 5-Trichlorophenol hioromaphthalene heltyl phthalate maphthylene Dinitrotoluene maphthene Dinitrophenol brophenol Dinitrotoluene hylphthalate hylphthalate horophenyl-phenylether mee Dinitro-2-methylphenol			460U 2300U 460U 460U 460U 460U 460U 2300U 2300U 2460U 460U 460U	建热温和油油等 97-1+生	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 1,8
6-Trichlorophenol 5-Trichlorophenol hibronsphihalene nethyl phthalate naphthylene Dinitrotoluene naphthene Dinitrotoluene itrophenol Dinitrotoluene thylphthalate hibrophenol Dinitrotoluene hibrophenol Dinitrotoluene hibrophenol Dinitrotoluene hibrophenyl-phenylether orene Dinitro-2-methylphenol Iirosodiphenylamine			460U 2300U 460U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U 460U 460U 460U	混块的种种的物件。 97 -3.+****	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000
6-Trichlorophenol 5-Trichlorophenol hibronsphihalene nethyl phthalate naphthylene Dinitrotoluene naphthene Dinitrotoluene nitrophenol brintrotoluene hylpithalate hylpithalate hylpithalate hibrophenyl-phenylether nene Dinitro-2-methylphenol itrosodiphenyl-phenylether nonophenyl-phenylether			460U 2300U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U 460U 2300U 460U 460U 460U 460U 460U	建均等的等。 97 ·J+等	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA
6-Trichlorophenol 5-Trichlorophenol hicronsphithalene nethyl phthalate naphthylene Dinitrotoluene naphthene Dinitrotoluene naphthenol Dinitrotoluene itrophenol Dinitrotoluene itrophenol Dinitrotoluene itrophenol Dinitrotoluene itrophenol Dinitrotoluene itrophenol Dinitrotoluene itrophenol Dinitro-2-methylphenol itrosodiphenylamine omoophenyl-phenylether schlorobenzene			460U 2300U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U 460U 460U 460U 460U 4	ELECTRICAL STREET, 17-10-10-10-10-10-10-10-10-10-10-10-10-10-	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA
6-Trichlorophenol 5-Trichlorophenol hibronaphthalene nethyl phthalate naphthylene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene hylphthalate hylphthalate hylphthalate hibrophenol itrophenol Dinitrotoluene hylphthalate hibrophenyl-phenylether none Dinitro-2-methylphenol itrosodiphenylamine nonophenyl-phenylether achlorobenzene achlorophenol antifrene			460U 2300U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U 460U 2300U 460U 460U 2300U 460U 460U 2300U 460U 460U 2300U	580	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA
6-Trichlorophenol 5-Trichlorophenol hibronaphthalene nethyl phthalate naphthylene Dinitrotouene naphthene Dinitrotouene naphthene Dinitrotouene naphthene Dinitrotouene naphthene Dinitrotouene hylphthalate hibrophenol binirotouene hylphthalate hibrophenyl-phenylether nene Dinitro-2-methylphenol iirosodiphenylamine nomophenyl-phenylether achlorobenzene achlorophenol unihrene macene			460U 2300U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U 460U 460U 460U 460U 4	580 Feature 160 J	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA
6-Trichlorophenol 5-Trichlorophenol hibronaphthalene nethyl phthalate maphthylene Dinitrotoluene maphthene Dinitrotoluene maphthale Dinitrotoluene maphthale Dinitrotoluene myl-phenol Dinitrotoluene myl-phenyl-phenylether mene Dinitro-2-methylphenol litrocodiphenyl-phenylether mene Dinitro-2-methylphenol mitro-2-methylphenol moophenyl-phenylether achlorobenzene achlorobenzene achlorophenol manthrene macene -burylphthalate			460U 2300U 460U 460U 460U 460U 460U 2300U 2300U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 2300U 460U 460U 460U 460U 460U 460U 460U 4	580 160 J	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85
6-Trichlorophenol 5-Trichlorophenol thlorosphthalene methyl phthalate maphthylene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrophenol itrophenol Dinitrotoluene thylphthalate minotoluene thylphthalate minotoluene thylphthalate minotoluene thylphthalate minotoluene thylphthalate minotoluene thylphthalate monophenyl-phenylether mene Dinitro-2-methylphenol itrosodiphenylamine monophenyl-phenylether achlorophenol minitrophenol minitrope mene mene mene mene mene mene mene me			460U 2300U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U 2300U 460U 2300U 460U 2300U 460U 460U 460U 460U 460U 460U 460U 4	580 160 J 58 J 920	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380
6-Trichlorophenol 5-Trichlorophenol hidronephthalene nethyl phthalate naphthylene Dinitrototuene naphthene Dinitrototuene naphthene Dinitrototuene naphthale nitrophenol binitrototuene thylphthalate hidrophenyl-phenylether owne Dinitro-2-methylphenol litrosodiphenylamine romophenyl-phenylether achlorobenzene achlorobenzene achlorobenzene achlorobenzene butylphthalate ranthene ne ne ne ne ne ne ne ne ne ne ne ne			460U 2300U 460U 460U 460U 460U 460U 2300U 2300U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 2300U 460U 460U 460U 460U 460U 460U 460U 4	580 160 J	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 118 NA 100,000 NA 100,000 NA 660 6,000 NA 85 100,000 380
6-Trichlorophenol 5-Trichlorophenol hibronsphihalene nethyl phthalate naphtylene Dinitrotoluene naphtene Dinitrotoluene naphtene Dinitrotoluene naphtene Dinitrophenol itrophenol Dinitrotoluene thylphthalate hibrophenyl-phenylether nene Dinitro-2-methylphenol itrosodiphenylamine nomophenyl-phenylether achlorobenzene achlorophenol nanibrene macene			460U 2300U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U 2300U 460U 2300U 460U 2300U 460U 460U 460U 460U 460U 460U 460U 4	580 160 J 58 J 920 770	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000
6-Trichlorophenol 5-Trichlorophenol hitronaphthalene nethyl phthalate naphthylene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene nyipithalate nitrophenol Dinitrotoluene hylpithalate hitrophenol Dinitrotoluene hylpithalate hitrophenol Dinitrotoluene hylpithalate nitrophenyl-phenylether irene Dinitro-2-methylphenol irrosodiphenylamine omophenyl-phenylether echlorobenzene achlorophenol annitrene racher ranthene racher libenzylphthalate pichlorober; nidine pichlorober; nidine pichlorober; nidine			460U 2300U 460U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U 2300U 460U 460U 460U 460U 460U 460U 460U 4	580 160 J 58 J 920 770	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 100,000 NA 100,000 NA 250 100,000 NA 250 100,000 100,0000 2,0000 160
6-Trichlorophenol 5-Trichlorophenol hibronaphthalene nethyl phthalate aaphthylene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene tryphthalate hibrophenol birophenol birophenol birophenol birophenol birophenol birophenol birophenol birophenol birophenyl-phenylether mene Dinitro-2-methylphenol birocodiphenylamine promophenyl-phenylether achlorophenol anthene macene phurylphthalate manthene macene manthene manthene			460U 2300U 460U 460U 460U 460U 2300U 2300U 2300U 460U 460U 460U 2300U 460U 2300U 460U 2300U 460U 460U 460U 460U 460U 460U 460U 4	580 160 J 58 J 920 770	50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000

Sample ID: SFM-1-95-C-0.0 Lab ID: SFM1C0 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sedimen Criteria ug/kg 900
Benzo o)liuoraninene			4600	510	500
Benzo(k)fluoranthene			460U	360 J	900
Велии(a)ругеле (BaP)		<u> </u>	460U	500	230
Indeno(1,2,3-cd)pyrene		1	460U	140 J	900
Dibenz(a,h)anthracene		<u> </u>	460U		31
Benzo(g,h,i)perylene			460U	130 J	NA
N-nitrosodimethylamine		1	4600U	4	NA
Benzidine		<u> </u>	4600U		NA
1,2-Diphenylhydrazine			4600U	 	NA
Benzyi Alcohol		<u> </u>	4600	 	50,000
PESTICIDES/PCBS (SW846 8080);	-			<u> </u>	
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/24/95			
upha-BHC	03/08/93	03124793	22U		NA
octa-BHC			220	 	NA NA
leita-BHC		 	220		NA NA
				- 	
amma-BHC (Lindane)			220	 	520
leptachlor		 	22U	 	150
Aldrin			22U	 	40
Heptschlor Epoxide		 	22U	 	NA (0.000
indosulfan I			22U	 	,0,000
Dieldrin 4'-DDB		ļ	440	177	11
			440	120	2,000
endrin			440	 	42
ndosulfan II		ļl	44U	 	30,000
4'-DDD (p,p'-TDE)		ļ	440	 	3,000
ndosulfan Sulfate		 	44U	ļ	30,000
4-DDT			44U	 	2,000
Methoxychlor		I	220U		50,000
ndrin Ketone		L	44U	J	NA NA
ndrin Aldehyde			44U		NA
lpha-Chlordane		ļ	22U	<u> </u>	NA
amma-Chlordane		<u> </u>	22U	 	NA NA
Airex		ļl	44U	1	NA_
Oxephene		L	440U		100
Aroclor-1016		 	220U	 	29
Aroclor-1221		<u> </u>	220U		29
Aroclar-1232	_		220U	1	29
Aroclar-1242		ļ	220U		29
Aroclor-1248			220U	 	29
roclor-1254		ļ	220U	160 J	29
troclar-1260			220U		29
NORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
folding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
ntimony				2,400 BN	14,000
rsenic	7			9,300 N	8,000
arium	1			76,000	700,000
cryllium		· · · · · · · · · · · · · · · · · · ·		250 B	1,000
admium				2,400	1,000
hromium				64,700	33,000
opper				44,100	28,000
cad				69,000	21,000
acury	5/22/95, 5/23/95	5/22/95, 5/24/95	140U		100
ickel				18,000	20,900
!வ்யா	_1			800	63,000
lvar	1			1,100 BN	500
nallium				620 B	2,000
anadium				39,200	370,000
inc				239,000	68,000
IODCANICS OTHER Complete S- DUA-		-		 	
NORGANICS - OTHER (Results in mg/kg DW); otal Organic Carbon (LOI)		5/19/95, 5/23/95		12,411	NA
yanide		5/13/95, 5/16/95	0.50		1,100
oisture, in Percent				27.00	NA
RAIN SIZE:		- 	<u></u>		
esults in % Recovery		5/26/95, 5/27/95		<u> </u>	
eve #4				0.0	
eve #10				1.1	
eve #40]			16.8	
cve #200				37.7	
sults in Relative %					
t				0.0	
ау				44.3	

Definitions:

NA - Not Available

10g/kg - micrograms per kilogram, parts per billion

10mg/kg - milligrams per kilogram, parts per million

10 - Undetected

11 - Estimated value

12 - Detected in laboratory blank (organics), Reported value less than Contract Required DL

13 but greater than or equal to Instrument DL (inorganics)

14 - Duplicate analysis not within control limits

15 - Duplicate analysis not within control limits

16 - Detection limit

17 - Dweight corrected

18 - Result obtained on diluted sample

19 - Spiked sample recovery not within control limits

Sample ID: SFM-1-95-C-1.0 Lab ID: SFM1C1 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days Accone		5/9/95	210		100,000
Acrolein			2100		NA NA
Acrylonitrile			210U 21U		1,000
Benzene Bromodichloromethane			21U	 	1,000
Bromoform			210		1,000
Bromomethane 2-Butanone (MEK)		 	21U 21U	1	1,000 50,000
Carbon Tarechloride			21U		1,000
2-Chloroethylvinylether Chlorobenzene		 	21U 21U		1,000
Chloroethane		 	21U		NA_
Chloroform			21U 21U		1,000 10,000
Chloromethane 1,2-Dichloropropane	- 		210	-	10,000
1,1-Dichloroethane			210		10,000
1,2-Dichloroethane	 	ļ	21U 21U	 	1,000 8,000
Dibromochloromethane		†	210		1,000
1,2-trans Dichloroethylene			21U 21U		50,000 1,000
1,2-cis Dichloroethene cis-1,3-Dichloropropene			210	 	1,000
trans-1,3-Dichloropropene			21U		1,000
Ethylbenzene 2-Hexanone			21U 21U	 	100,000 NA
2-Pietanone 4-Methyl-2-Pentanone (MIBK)			210		50,000
Methylene Chloride			210	6.1	1,000
Styrene Tetrachloroethylene		 	21U 21U	1	23,000
1,1,2,2-Tetrachlorocthane			210		1,000
Tolueno			21U 21U	<u> </u>	500,000 50,000
1,1,1-1nchloroethane		 	210		1,000
Trichloroethene (TCE)			210		1,000
Vinyl Chloride			21U 21U	 	2,000 10,000
(ylenes (Total)			210		1,000
SEMIYOLATTLE ORGANICS (SW846 8270): Holding time: 14 days to extract, 40 days to analyze Phenol pis(2-chloroethyl)ether	05/09/95	05/25/95	690U 690U		50,000 660
2-Chlorophenol 3-Dichlorobenzene			690U		10,000
,4-Dichlorobenzene			690U		100,000
,2-Dichlorobenzene !-Methylphenol			690U 690U	 	30,000 2,800,000
ois(2-chloroisopropyl)ether			690 U		10,000
-Methylphenol N-Nitroso-di-n-propylamine			690U 690U	100 J	2,800,000 660
exachloroethane			690U	 	6,000
litrobenzene			690U		10,000
sophorone -Nitrophenol		L	690U 690U	 	50,000 NA
.4-Dimethylphenol		<u> </u>			
.4-Dichlorophenol			690U		NA
			690U 690U		NA 10,000
2,4-Trichlorobenzene			690U		NA 10,000 68,000 100,000
2,4-Trichlorobertzene aphthalene -Chloroaniline			690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000
2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene			690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000
2,4-Trichloroberizene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000
2,4-Trichlorobenzene sphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000
2,4-Trichloroberizene aphthalene Chloroaniline exachlorobutadiene s(2-Chloro-thoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000
2,4-Trichlorobenzene sphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloroaphthalene			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000 NA
2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 NA 100,000 100,000 10,000 50,000 NA 50,000
2,4-Trichlorobenzene sphthalene Chlorosmiline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate exaphthylene 6-Dinitrotoluene			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000 NA 50,000 NA
2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate consphitylene 6-Dinitrotoluene consphithene			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 NA 50,000 NA 50,000 44 1,000
2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloroaphthalene imethyl phthalate exaphthylene 6-Dinitrotoluene exaphthene 4-Dinitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 50,000 NA 50,000 44 1,000 16
2,4-Trichlorobenzene sphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate exapphtylene 6-Dinitrotoluene exasphthene exapphthene 4-Dinitrotoluene exasphthene (Nitrophenol Nitrophenol 4-Dinitrotoluene exasphthene 4-Dinitrotoluene			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 50,000 NA 50,000 44 1,000 16 10,000 10,000 NA
2,4-Trichloroberizene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,6-Trichlorophenol Chloroaphthalene imethyl phthalate consphitylene 6-Dinitrotoluene etersphithene 4-Dinitrotoluene ethylphenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol A-Dinitrotoluene ethylphthalate ethylphthalate			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 50,000 NA 50,000 44 1,000 16 10,000 NA
2,4-Trichlorobenzene sphthalene Chlorosniline exachlorobutadiene s(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate exasphthylene 6-Dinitrotoluene exasphthene 4-Dinitrophenol Nitrophenol Nitrophenol 4-Dinitrotoluene ethylphthalate cthylphthalate Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenol Chlorophenol			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA
2,4-Trichloroberizene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloroaphthalene imethyl phthalate exasphitylene 6-Dinitrotoluene exersphithene 4-Dinitrotoluene ethylphthalate chlorophenol Nitrophenol Nitrophenol Nitrophenol 4-Dinitrotoluene ethylphthalate Chlorophenyl-phenylether uorene 5-Dinitro-2-methylphenol			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA
2,4-Trichloroberizene aphthalene Chlorosniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene methyl phthalate exarphthylene 6-Dinitrotoluene exarphthree 4-Dinitrophenol Nitrophenol Nitrophenol -Dinitrotoluene ethylphthalate Chloronaphthalene ethylphthalate -Chlorophenol Nitrophenol -Dinitrotoluene ethylphthalate -Dinitrotoluene ethylphthalate -Dinitro-2-methylphenol			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 NA 50,000 NA 1,000 NA
2,4-Trichloroberzene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,5-Trichlorophenol 4,5-Trichlorophenol Chloroaphthalene imethyl phthalate exasphthylene 6-Dinitrotoluene exemphthene 4-Dinitrotoluene ethylphthalate chlorophenol Nitrophenol Nitrophenol A-Dinitrotoluene ethylphthalate Chlorophenyl-phenylether uorene 5-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether scachlorobenzene			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000
2,4-Trichloroberizene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate exaraphthylene 6-Dinitrotoluene exaraphthylene 4-Dinitrophenol Nitrophenol A-Dinitrophenol A-Dinitrophenol Ethylphthalate Chlorophenyl-phenylether uorene 5-Dinitro-2-methylphenol Nitrosodiphenyl-sphenylether stachlorobenyl-phenylether exachlorobenyl-phenylether exachlorobeniene stachlorophenol			690U 690U 690U 690U 690U 690U 690U 690U	180 J	NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 10,000 10,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 18 NA 1,000 N
2,4-Trichloroberizene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloroaphthalene imethyl phthalate exasphitylene 6-Dinitrotoluene exesphitylene 4-Dinitrotoluene ethylphthalate Chlorophenol Nitrophenol Nitrophenol A-Dinitrotoluene ethylphthalate Chlorophenyl-phenylether uorene 5-Dinitro-2-methylphenol Nitrosodiphenylemine Bromophenyl-phenylether exachloroberizene miachlorophenol enanthrene sthreene			690U 690U 690U 690U 690U 690U 690U 690U		NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 50,000 NA 1,000 16 10,000 NA 1,00
2,4-Trichloroberizene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate emaphthylene 6-Dinitrotoluene ecraphithene 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol			690U 690U 690U 690U 690U 690U 690U 690U	**************************************	NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 10,000 10,000 10,000 NA 1,000 10,000 NA 1,000 16 10,000 NA 1,000
2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxylmethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate ceraphthylene 6-Dinitrotoluene ceraphthene 4-Dinitrophenol Nitrophenol A-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitro-2-methylphenol Nitrosophenol -Nitrosodiphenylamine Bromophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether exachlorobenzene mitachlorophenol ienanthrene nitracene -n-butylphthalate uoranthene			690U 690U 690U 690U 690U 690U 690U 690U	90 J 83 J 240 J	NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 NA 50,000 NA 50,000 NA 1,000 16 10,000 NA 1,0
2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate ecnaphtrylene 6-Dinitrotoluene ecnaphthylene 4-Dinitrophenol Nitrophenol A-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrosodiphenyl-phenylether exachlorobenzene intachlorophenol enanthrene intracene intracene intracene intracene intylphthalate uoranthene entharece intylphthalate			690U 690U 690U 690U 690U 690U 690U 690U	**************************************	NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 10,000 10,000 10,000 10,000 NA 1,000
2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxylmethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate cenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitrophenol Nitrophenol 4-Dinitro-2-methylphenol Nitroscoliphenylamine Bromophenyl-phenylether uorene Bromophenyl-phenylether uorene auchiero-2-methylphenol -Nitroscoliphenylamine Bromophenyl-phenylether exachlorobenzene mitachlorophenol nenanthrene nitracene			690U 690U 690U 690U 690U 690U 690U 690U	83 J 240 J	NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 NA 50,000 NA 1,000 16 10,000 NA 1,00
2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene imethyl phthalate ceraphthylene 6-Dinitrotoluene cenaphthylene 4-Dinitrotoluene cenaphthene 4-Dinitrotoluene cenaphthene 4-Dinitrotoluene cenaphthene 6-Dinitrotoluene cenaphthene 6-Dinitrotoluene cenaphthene 8-Dinitrotoluene cenaphthene 1-Dinitrotoluene cenaphthene 1-Dinitrotoluene cenaphthene 1-Dinitrotoluene cenaphthene chlorophenyl-phenylether uorane 8-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether exachlorobenzene mitschlorophenol ienanthrene nitrascene -n-butylphthalate uoranthene rene rene rene rene rene rene rene			690U 690U 690U 690U 690U 690U 690U 690U	90 J 83 J 240 J	NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 10,000 10,000 10,000 10,000 NA 1,000
2,4-Trichlorobenzene aphthalene Chloroaniline exachlorobutadiene s(2-Chloroethoxylmethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 6-Dinitrotoluene ecnaphthylene 6-Dinitrotoluene ecnaphthene 4-Dinitrophenol Nitrophenol 4-Dinitrophenol 6-Dinitrotoluene echylphthalate Chlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitroscodiphenylamine Bromophenyl-phenylether exachlorobenzene ntachlorophenol ernanthrene ethrecene			690U 690U 690U 690U 690U 690U 690U 690U	83 J 240 J 300 J	NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 NA 50,000 NA 1,000

Sample ID: SFM-1-95-C-1.0 Lab ID: SFM1C1 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ve/ke
Benzo(b)fluoranthene	Date Date seems	Date	6900	220 3	900
Benzo(k)fluoranthene			6900	200 J	900
Ветго(в)ругеле (ВаР)			690U	districtions 230 J	230
Indeno(1,2,3-cd)pyrene			6900		900
Dibertz(a,h)anthracene		 	6900	 	31
Berzo(g,h,i)perylene		ļ	690U		NA NA
N-nitrosodimethylamine Berzidine	_ 	 	6900U		NA NA
1.2-Diphenylhydrazine		 	6900U	 	NA NA
Berzyl Alcohol		 	6900	 	50,000
DCB/17666001					
PESTICIDES/PCBS (SW846 8080):					
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/24/95			
alpha-BHC		 	33U 33U		NA NA
beta-BHC delta-BHC			330	 	NA
gamma-BHC (Lindane)			330	 	520
Heptschlor		 	330	 -	150
Aldrin		 	330	 	40
Heptschlor Epoxide	1	1	33U		NA
Endosulfan I			33U		50,000
Dieldrin			67U		jı
4,4'-DDB			670	260	2,000
Endrin			670	34 J	42
Endosulfan II			670	 -	50,000
4,4'-DDD (p,p'-TDE) Endosulfan Sulfate			67U 67U	 	3,000 50,000
		 	670	 	2,000
4,4'-DDT Methoxychlor		ļ	330U	+	50,000
Endrin Ketone		 	670		NA
Endrin Aldehyde			670	 	NA
alpha-Chlordane			330	 	NA NA
gamma-Chlordane	 		33Ü	1	NA
Mirea		_	670	1	NA
Toxaphene		1	670U		100
Aroclar-1016	1	 	330U		29
Aroclor-1221			330U		29
Aroclor-1232			330U		29
Aroclor-1242			330U	1	29
Aroclor-1248			330U	<u> </u>	29
Aroclor-1254			330U	#bar 5-550	29
Aroclor-1260			330U	 	29
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Antimony			<u> </u>	2,000 BN	14,000
Arsenie				25,200 N	8,000
Barium			ļ	160,000	700,000 1,000
Beryllium Carnium			 	50 B	1,000
Chromium			 	169,000	33,000
Соррег				97,000	28,000
Lead				140,000	21,000
Mercury	5/22/95, 5/23/95	5/22/95, 5/24/95		970	100
Nickel				34,900	20,900
Selenium				2,200	63,000
Silvar				3,500 N	500
I hallium				2,200.	2,000
Vanadium	_			123,000	370,000
Zinc				337,000	68,000
NORGANICS - OTHER (Results In mg/kg DW): Total Organic Carbon (LOI)		5/19/95, 5/23/95		67,583	NA .
Cyanide		3/13/95, 5/16/95	0.50		1,100
Moisture, in Percent	-			_52.00	NA
GRAIN SIZE: Results in % Recovery	1	SMERS SMARS			
Results in % Recovery		5/26/95, 5/27/95		0.0	
Sieve #10	-{			0.0	
Sieve #40	 			1.7	
Sieve #200	+			21.7	
	1				
Results in Relative %	 				
ilt	1			56.3	
Clay				20.3	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: SFM-1-95-C-3.3 Lab ID: SFM1C3 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ng/kg DW	Result ng/kg DW	Bulk Sediment Criteria ug/kg
YOLATILE ORGANICS (SWE46 8240):		1			
Holding time: 14 days		5/9/95	180	 -	100,000
A Golean			1800		NA.
Bazane	 		180U 18U	-	1,000 1,000
Bromodichloromethane Bromoform			18U		1,000
Bromoinethane		 	18U		1,000
2-Butanone (MEK) Carbon Tetrachloride			18U 18U		50,000 1,000
2-Chloroethylvinylether			18U		NA NA
Chlorobenzene Chloroethane			18U		1,000 NA
Chloroform			18U		1,000
Chloromethane 1,2-Dichloropropane			18U		10,000
1,1-Dichloroethane 1,2-Dichloroethane			18U		10,000
1,1-Dichloroethene		 	18U	 	1,000 8,000
Dibromochloromethane 1.2-trans Dichloroethylene			18U 18U		1,000 30,000
1,2-cis Dichloroethene		l	180	<u> </u>	1,000
cis-1,3-Dichloropropene trans-1,3-Dichloropropene			18U		1,000
Ethylbenzene			18U		100,000
2-Hexanone 4-Methyl-2-Pentanone (MIBK)			18U 18U		NA 50,000
Methylene Chloride			18U	3.1	1.000
Styrene Tetrachloroethylene			18U	 	23,000 1,000
1,1,2,2-Tetrachlorocthane			18U		1,000
Tolucne 1,1,1-Trichlorocthane			18U	 	500,000 50,000
1.1.2-Trichloroethane			18U		1,000
Trichloroethene (TCE) Vinvl Chloride			18U		1,000
Xylenes (Total)			18U		10,000
1,1,2-Tetrachloroethene			180	 	1,000
SEMIYOLATILE ORGANICS (STV846 8270):				l	
Holding time: 14 days to extract, 40 days to analyze Phenol	05/09/95	05/25/95	CD071		60.000
bis(2-chloroethyl)ether			580U 580U		50,000
2-Chlorophenol 1.3-Dichlorobenzene			580U 580U		10,000 100,000
1,4-Dichlorobenzene			580U		100,000
1,2-Dichlorobenzene 2-Methylphenol			580U 580U		50,000 2,800,000
bis(2-chloroisopropyl)ether			580U		10,000
4-Methylphenol N-Nitroso-di-n-propylamine			580U 580U		2,800,000 660
Hexachloroethane			380U		6,000
Nitrobenzene Isophorone			580U 580U		10,000 50,000
2-Nitrophenol 2,4-Dimethylphenol	1		580U		ÑĀ
2,4-Dichlorophenol	 		580U		NA 10,000
,2,4-Trichlorobenzene Naphthalene			580U 580U		68,000
-Chloroaniline	 		380U		100,000 230,000
lexachlorobutadiene pis(2-Chloroethoxy)methane			580U 580U		1,000 NA
-Chloro-3-methylphenol (p-chloro-m-cresol)			580U		100,000
lexachlorocyclopentadiene 2,4,6-Trichlorophenol	-		580U 580U		100,000 10,000
2,4,5-Trichlorophenol			29000		50,000
-Chloronaphthalene Dimetryl phthalate			580U 580U		NA 50,000
Acenaphthylene			580U		44
,6-Dinitrotoluene	 	T	580U 580U		1,000
			2900U		10,000
,4-Dinitrophenol					
,4-Dinitrophenol -Nitrophenol			2900U		NA 1,000
,4-Dinitrophenol					NA 1,000 50,000
,4-Dinitrophenol -Nitrophenol -Communication -Chiphthalate -Chlorophenyl-phenylether			2900U 580U 580U 580U		1,000 50,000 NA
,4-Dinitrophenol -Nitrophenol -C-Dinitrotoluene -C-dhylphthalate			2900U 580U 580U 580U 580U		1,000 50,000 NA 18
.4-Dinitrophenol -Nitrophenol -Nitrophenol -Chimphenol -Chimphenyl-phenylether -Chimphenyl-phenylether -Incree -Chimphenyl-phenol -Nitrosodiphenylamine			2900U 580U 580U 580U 580U 580U 580U 580U		1,000 50,000 NA 18 NA 100,000
,4-Dinitrophenol -Nitrophenol -Nitrophenol -C-Dinitrotoluene -Chlorophenyl-phenylether lucrene -E-Dinitro-2-methylphenol -Nitrosodiphenyl-phenyletnine -Bromophenyl-phenyletner			2900U 580U 580U 580U 580U 77U 77U 580U		1,000 50,000 NA 18 NA 100,000 NA
4-Dinitrophenol -Nitrophenol -Nitrophenol -Airophenol -Airophenol -Airophenol -Airophenyl-phenylether lucrae -Chlorophenyl-phenylether lucrae -Dinitro-2-methylphenol -Nitrosodiphenyl-phenylether -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenol			2900U 580U 580U 580U 570U 70 580U 580U 580U 580U 580U		1,000 50,000 NA 18 NA 100,000 NA 660 6,000
,4-Dinitrophenol -Nitrophenol -Nitrophenol -Chlorophenol -Chlorophenyl-phenylether luorene (6-Dinitro-2-methylphenol -Nitrosodiphenylamine -Bromophenyl-phenylether lessehlorobenzene entschlorophenol -henentrene		•	2900U 580U 580U 580U 580U 70 70 70 580U 580U 580U 580U 580U		1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA
.4-Dinitrophenol -Nitrophenol -Nitrophenol -Airophenol -Edinylphthalate -Chlorophenyl-phenylether luorae .6-Dinitro-2-methylphenol -Nitrosodiphenylamine -Bromophenyl-phenylether letaschlorobenzene entschlorophenol hementurene in-burylphthalate		•	2900U 580U 580U 580U 580U 570U 70U 580U 580U 580U 580U 580U 580U 580U 58		1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85
,4-Dinitrophenol -Nitrophenol -Nitrophenol -Complete -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Income -Complete -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenol -Ch		•	2900U 580U 580U 580U 580U 580U 580U 580U 5		1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380
.4-Dinitrophenol -Nitrophenol -Nitrophenol -Alitrophenol -Enhylphthalate -Chlorophenyl-phenylether luocue -Chlorophenyl-phenylether luocue -Chlorophenyl-phenylether luocue -Dinitro-2-methylphenol -Nitrosodiphenylamine -Bromophenyl-phenylether letaschlorobenzene entschlorophenol henenturene in-burylphthalate luoranthene yrene utylioenzylphthalate			2900U 580U 580U 580U 580U 580U 580U 580U 5		1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000
,4-Dinitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Chlorophenyl-phenylether lucrae (C-Dinitro-2-methylphenol -Nitrosodiphenylamine -Bromophenyl-phenylether leaschlorobenzene entschlorophenol henanthrene nthracene in-burylphthalate luoranthene lyrene luyribenzylphthalate luoranthene yrene			2900U 580U 580U 580U 580U 580U 580U 580U 5		1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000
.4-Dinitrophenol -Nitrophenol -Nitrophenol -Alitrophenol -Enhylphthalate -Chlorophenyl-phenylether luocue -Chlorophenyl-phenylether luocue -Chlorophenyl-phenylether luocue -Dinitro-2-methylphenol -Nitrosodiphenylamine -Bromophenyl-phenylether letaschlorobenzene entschlorophenol henenturene in-burylphthalate luoranthene yrene utylioenzylphthalate			2900U 580U 580U 580U 580U 580U 580U 580U 5	83 J	1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000

ISample ID: SFM-I-95-C-3.3			Method Detection		Bulk Sediment
Lab ID: SFM1C3 Sampling Date: 5/3/95	1	1	Limit	Result	Criteria
loampung Date. 23:73	Date Extracted	Date Analyzed	ug/ke DW	ng/kg DW	ue/ke
Serzo(e)liuoranthene	Date Danadio	I Satte / Linear Deed	380U		900
Bczo(k) Buoranthene		 	580U		900
Вадо(а)ругане (ВаР)		L	580U		230
Indexo(1,2,3-cd)pyrene			580U	<u> </u>	900
Dipenz(a,h)anthracene			580U	ļ	31 NA
B=zo(g,h,i)perylene			580U 5800U	 	NA NA
N-nitrosodimethylamine Benzidine		 	3800U		NA NA
1.2-Diphenylhydrazine	+	 	3800U		NA
Benzyl Alcohol	 		380U		50,000
Daily (recently	1				
PESTICIDES/PCBS (SW846 8080);					
	armane	nemane	1]	
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/14/95	140	 	NA.
alpha-BHC bes-BHC	 	 	140	h	NA.
delu-BHC			140	i	NA
campa-BHC (Lindane)	 		140		520
Hispachlor (Embase)	1		14U		150
Aldrin			14U		40
Heptachlor Epoxide			140		NA NA
endosulfan I	4		140	ļļ	50,000
Dieldrin	ļ	 	28U	 	2,000
4,4'-DDB	 	ļ.———	28U	}	42
Endrin	 		280		50,000
Endosulfan II 4,4-DDD (p,p'-TDE)	 	 	280	 	3,000
Endosulfan Sulfate	 	 	28Ú		50,000
4.4'-DDT	 		28U		2,000
Methoxychlor			140U		50,000
Endrin Ketone			28U		NA
Endrin Aldehyde	·		28U	 	NA NA
alpha-Chlordane	ļ		140	 	NA NA
gamma-Chlordane Mirex	 		280		NA NA
Toxaphene	 		280U		100
Aroclor-1016	 		140U		29
Aroclor-1221	1		140U		29
Aroclor-1232			140U		29
Aroclor-1242			140U		29
Arociar-1248			140U	<u> </u>	29
Aroclor-1254			140U 140U		29 29
Arocior-1260			1400		
				····	
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95		1	
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg		L	
Antimorry			610U	610 UN	14,000
Arsenic	1			86,700 N=	8,000
Banium	 		30U	80,/00	700,000 1,000
Beyllium Catmium	 		300	170 B	1,000
Ciromium	 			41,500	33,000
Copper	 			11,600	28,000
Lead				10,300	21,000
Mercury	5/22/95, 5/23/95	5/22/95, 5/24/95	180U		100
Nickel				23,400	20,900
Selenium	ļ <u></u>			490 B	63,000
Silver				680 BN	500 2,000
Thallium	 			41,800	370,000
Vanadium Zinc				61,600	68,000
	 				
DODG ANICE OTHER Chamber in a few DEA.					
INORGANICS - OTHER (Results in mg/ke DW): Total Organic Carbon (LOI)		5/19/95, 5/23/95		53,772	NA
Cyanide Carbon (201)	 	3/13/93, 3/16/93	0.30		1,100
Moisture, in Percent	 		7	43.00	NA NA
GRAIN SIZE:					
Results in % Recovery]	5/26/95, 5/27/95	·		
Sieve #4				0.0	
Sieve #10				4.4	
Sieve #40				4.2	
Sieve #200	<u> </u>			18.3	
Results in Relative %			<u></u>		
Silt				56.7	
Clay	 		·	16.4	
<u> </u>					

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - micrograms per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

sample ID: SFM-1-95-C-6.4 Ab ID: SFM1C6 sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
OLATILE ORGANICS (SW846 8240):	Date Extracted	Date Ananyzeu	ugrice Div	ug/kg D iv	ug/kg
lolding time: 14 days		5/9/95			
celone	-	319193	140	· · · · · · · · · · · · · · · · · · ·	100,000
crolein			140U	·	NA
crylonitrile			140U		1,000
enzene romodichloromethane			140		1,000
romotorm		 	140		1,000
romomethane			140		1,000
Butanone (MEK)			140		30,000
arbon Tetrachloride			140		1,000
Chloroethylviny lether hlorobenzene			140		NA NA
horoethane			140	[1,000 NA
horoform			140		1,000
horomethane			140		10,000
2-Dichloropropane			14U		10,000
1-Dichloroethane			140		10,000
2-Dichloroethane 1-Dichloroethene		<u> </u>	14U 14U	<u> </u>	1,000
i-Dichioroethene bromochloromethane		l —	140		8,000 1,000
2-trais Dichleroethylene		 	140		50,000
2-cis Dichloroethene		<u> </u>	140		1,000
s-1,3-Dichloropropene			140		1,000
ns-1,3-Dichloropropene			140		1,000
hylbenzene Hexanone			14U 14U		100,000
Methyl-2-Pentanone (MIBK)	 		140	ļl	NA 50,000
ethylene Chloride			140	3 1	1,000
rene			140		23,000
trachloroethylene			140		1,000
,2,2-Tetrachloroethane			140		1,000
luene 1-Trichloroethane			14U 14U	· ·	500,000
1,1-Trichloroethane	 		14U		50,000 1,000
ichloroethene (TCE)			140		1,000
nyl Chloride			140		2,000
lenes (Total)			14U		10,000
, 1, 2-Tetrachloroethane			14U		1,000
					
MIVOLATILE ORGANICS (SW846 8270): olding time: 14 days to extract, 40 days to analyze enol	05/09/95	05/25/95	480U		50,000
s(2-chloroethyl)ether			480U		660
Chlorophenol 3-Dichlorobenzene	 		480U 480U		10,000 100,000
4-Dichlorobenzene	· ·		480U		100,000
-Dichlorobenzene			480U		50,000
Methylphenol			480U		2,800,000
(2-chloroisopropyl)ether Methylphenol			480U 480U		10,000 2,800,000
Nitroso-di-n-propylamine			480U		660
xachloroethane			480U		6,000
trobenzene			480U		10,000
phorone			480U		50,000
Nitrophenol District Control			480U		NA NA
l-Dimethy lphenol l-Dichlorophenol	 		480U 480U		NA 10,000
4-Trichlorobenzene	- 		480U		68,000
phthalene			480U		100,000
hloroaniline			480U		230,000
kachlorobutadiene			480U		1,000
(2-Chloroethoxy)methane hloro-3-methylphenol (p-chloro-m-cresol)			480U 480U		NA 100,000
rachlorocyclopentadiene			480U		100,000
6-Trichlorophenol			480U		10,000
5-Trichlorophenol			2400U		50,000
hloronaphthalene neihyl phthalate			480U 480U		NA 30,000
naphthylene			480U 480U		30,000 44
Dinitrotoluene	 		480U		1,000
naphthene			480L ¹		16
Dinitrophenol			2400U		10,000
itrophenol Dinitrotolu ene			2400U 480U		NA 1,000
thylphthalate			480U		50,000
		f	480U		NA
			480U		. 18
orene			2400U		NA 100,000
orene Dinitro-2-methylphenol					100,000
orene Dinitro-2-methylphenol Bitrosodiphenylamine			480U	+	
orene Dinitro-2-methylphenol Sitrosodiphenylamine romophenyl-phenylether			480U		NA
orene Dinitro-2-methylphenol Dinitro-2-methylphenol Diritrosodiphenylamine romophenyl-phenylether tachlorokenzene tachlorokenzene			480U 480U 2400U		NA 660 6,000
orene Dinitro-2-methylphenol Dinitro-2-methylphenol Dinitro-2-methylphenol Dinitrosodiphenylamine romophenyl-phenylether achlorokenzene tachlorophenol nanthrene			480U 480U 2400U 480U		NA 660 6,000 NA
orene Dinitro-2-methylphenol Jinitro-3-methylphenol Jitrosodiphenylamine romophenyl-phenylether achlorobenzene tachlorophenol nanthrene hracene			480U 480U 2400U 480U 480U		NA 660 6,000 NA 85
orene Dinitro-2-methylphenol Dinitro-2-methylphenol Diritrosodiphenylamine romophenyl-phenylether achlorobenzene tachlorophenol nanthrene hracene			480U 480U 2400U 480U 480U 480U		NA 660 6,000 NA 85 100,000
orene Dinitro-2-methylphenol Vitrosodiphenylamine romophenyl-phenylether achlorobenzene tachlorophenol nanthrene hracene hracene n-butylphthalate oranthene			480U 480U 2400U 480U 480U 480U 480U		NA 660 6,000 NA 85 100,000 380
orene Dinitro-2-methylphenol Dinitro-2-methylphenol Diritrosodiphenylamine romophenyl-phenylether sachlorobenzene tachlorophenol nanhrene hracenebutylphthalate oranthene ene			480U 480U 2400U 480U 480U 480U 480U 480U 480U		NA 660 6,000 NA 85 100,000 380 290 100,000
hlorophenyl-phenylether orene Dinitro-2-methylphenol Nitrosodiphenylamine romophenyl-phenylether sachlorobenzene tachlorophenol nanthrene hracene n-butylphthalate oranthene ene yibenzylphthalate Dichlorobenzidine			480U 480U 2400U 480U 480U 480U 480U 480U 480U 480U		NA 660 6,000 NA 85 100,000 380 290 100,000 2,000
orene Dinitro-2-methylphenol Dinitro-3-methylphenol Sitrosodiphenylamine romophenyl-phenylether tachlorophenol manhrene hracene n-butylphthalate oranthene ene ylbenzylphthalate -Dichlorobenzidine zo(a)anthracene			480U 480U 2400U 480U 480U 480U 480U 480U 480U 480U		NA 660 6,000 NA 85 100,000 380 290 100,000 2,000 160
orene -Dinitro-2-methylphenol -Dinitro-2-methylphenol -Dinitro-2-methylphenol -Dinitro-2-methylphenol			480U 480U 2400U 480U 480U 480U 480U 480U 480U 480U		NA 660 6,000 NA 85 100,000 380 290 100,000 2,000

Results of Bulk Sediment Analyses

Sample ID: SFM-1-95-C-6.4 Ab ID: SFM1C6 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg D\V	Bulk Sediment Criteria ug/kg
enzo b)Huoranthene	Date Extracted	Date Analyzed	ug/kg DW 480U	Ug/kg D V	900
enzo(k)fluoranthene			480U		900
nzo(a)pyrene (BaP)			480U	140 J	230
leno(1,2,3-cd)pyrene			480U		900
benz(a,h)anthracene			480U		31
nzo'g h _i j)pervlene			480U 4800U		NA NA
nitrosodimethy lamine nzidine	 		4800U	 	NA NA
-Diphenylhydrazine	- 		4800U	 	NA NA
nz-l Alcohol		 	480U		50,000
STICIDES/FCBS (SW846 8080):					
olding time: 14 days to extract, 40 days to analyze	05/08/95	05/14/95	1817		
ha-BHC		}	12U 12U	 	NA
a-BIIC ta-BIIC			120	<u> </u>	NA NA
nma-BIIC (Lindane)	_		120	 	520
ptachlor		 	iž <u>ŭ</u>	 	150
irin			120		40
ptachlor Epoxide			120		NA
losulfan I			120		50,000
drin			23U		11
-DDE		 	23Ú 23Ú	 	2,000 42
drin dosulfan 11		 	23U	 	50,000
i-DDD (p.p'-TDE)		 	230	 	3,000
Josulian Sulfate		 	23U	 	50,000
DDT	· f · · · · · · ·	 	23U	 	2,000
thoxychlor	1	t	120U		50,000
drin Ketone		1	23U		NA
drin Aldehyde			230		NA_
ha-Chlordane			120		· NA
nma-Chlordane			12U		NA_
rex			23U		NA
xaphene			230U	ļ	100
oclor-1016		ļ	120U 120U		29 29
oclor-1221 oclor-1232			120U		29
oclor-1242			120U		29
oclor-1248			1200		29
roclor-1254			120U		29
oclor-1260			120U		29
		£44.05 5.04.05		 	
ORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
olding time: 6 months (Hg 14 days)	all except lig	all except lig			
timony			450U	450 UN	14,000
senic				4,200 N	8,000
rium			2011	53,700	700,000
yllium Imium	 	 	20U	90 B	1,000
romium		 		20,200	33,000
per	- 	 		6,400	28,000
nd .				5,500	21,000
reury'	5/22/95, 5/23/95	5/22/95, 5/24/95	140U		100
kel				13,900	20,900
enium			260U	10.00	63,000
ver		ļ l		620 BN	500
llium		 		990 B 20,700	2,000 370,000
nadium c		 		39,200	68,000
ORGANICS - OTHER (Results in mg/kg DW): lal Organic Carbon (LOI)		5/19/95, 5/23/95		12,188	NA
anide		3/13/95, 5/16/95	0.5U	15,100	1,100
isture, in Percent				31.00	NA
AIN SIZE.				-	
<u>VALN SIZE:</u> sults in % Recovery	}	5/26/95, 5/27/95			
ve #4	1			0.0	
ve #10				0.0	
ve #40				1.7	
ve ≠200				8.8	
	<u> </u>			ļ	
sults in Relative %		 		27.2	
N	 			62.3	
				02.3	

Definitions:

NA - Not Available

ugAg - micrograms per kilogram, parts per billion

mgAg - milligrams per kilogram, parts per million

U - L'indetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

* Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

. •-

in

Sample ID: SFM-2-95-C-0.0 Lab ID: SFM2C0 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ve/ke DW	Result	Bulk Sediment Criteria ve/ke
VOLATILE ORGANICS (SW846 5240):					
Holding time: 14 days		5/10/95			
Accions Acroleia			140		100,000
Acrylonitrile		 	1400		1,000
Benzene			14U		1,000
Bromodichloromethane			140		1,000
Bromoform Bromorpethane			14U 14U		1,000
2-Butanone (MEK)			140		\$0,000
Carbon Tetrachloride			14U		1,000
2-Chloroethylvinylether Chlorobenzene		<u> </u>	14U 14U		NA 1
Chloroethane			140		1,000 NA
Chloroform			140	···	1,000
Chloromethane			140		10,000
1,2-Dichloropropane 1,1-Dichloroethane			140		10,000
1.2-Dichloroethane			140		10,000
1,1-Dichloroethene			140	ļ	8,000
Dibromochloromethane			14 U		1,000
1,2-trans Dichloroethylene			140		50,000
1,2-cis Dichloroethene cis-1,3-Dichloropropene			14U 14U	 	1,000
rans-1,3-Dichloropropene	- 		140	 	1,000
thylberzene			140		100,000
2-Hexanone			14U		NA
-Methyl-2-Pentanone (MIBK) Methylene Chloride		 	14U		50,000
Styrene			140	3 J	1,000 23,000
Tetrachloroethylene			140		1,000
,1,2,2-Tetrachloroothane			140		1,000
Toluene			14U		500,000
,1,1-Inchloroethane			14U 14U	 	50,000 1,000
Inchloroethene (TCE)			140		1,000
Vinyl Chloride			14U		2,000
(ylcnes (Total)			14U		10,000
,1,1,2-1 etrachloroethane			14U		1,000
EMIVOLATILE ORGANICS (SW846 8270);			· · · · · · · · · · · · · · · · · · ·		
Iolding timer 14 days to extract, 40 days to analyze Thenol is(2-chloroethyl)ether	05/09/95	05/25/95	480U 480U		50,000 660
Holding time: 14 days to extract, 40 days to analyze Thenol is(2-chloroethyl)ether -Chlorophenol	05/09/95	05/25/95	480U 480U		10,000
Iolding time: 14 days to extract, 40 days to analyze Phenol is(3-chloroethyl)ether -(Chlorophenol ,3-Dichlorobenzene	05/09/95	05/25/95	480U 480U 480U		660 10,000 100,000
Isolding time: 14 days to extract, 40 days to analyze Thenol is(2-chloroethyl)ether -Chlorophenol ,3-Dichlorobenzene ,4-Dichlorobenzene ,2-Dichlorobenzene	05/09/95	05/25/95	480U 480U		10,000
Iolding time: 14 days to extract, 40 days to analyze Phenol is(2-chloroethyl)ether	05/09/95	05/25/95	480U 480U 480U 480U 480U 900 480U		660 10,000 100,000 100,000 50,000 2,800,000
Inding time: 14 days to extract, 40 days to analyze Thenol is(2-chloroethyl)ether -Chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -K- hylphenol is(2-chloroisopropyl)ether	05/09/95	05/25/95	480U 480U 480U 480U '80U -80U 480U		660 10,000 100,000 100,000 50,000 2,800,000 10,000
Iolding time: 14 days to extract, 40 days to analyze Phenol is(2-chloroethyl)ether	05/09/95	05/25/95	480U 480U 480U 480U 480U 900 480U		660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000
Iolding time: 14 days to extract, 40 days to analyze Thenol is(2-chloroethyl)ether -(-chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene 3-Dichlorobenzene -(-kleinophenol is(2-chloroisopropyl)etherMethylphenolMethylphenolMitroso-di-n-propylamine lexachloroethane	05/09/95	05/25/95	480U 480U 480U 480U 50U 50U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000
Inding time: 14 days to extract, 40 days to analyze Thenol is(2-chloroethyl)ether -Chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -M- hylphenol is(2-chloroisopropyl)ether -Methylphenol -Nitroso-di-n-propylamine teraschloroethane iirobenzene	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000
Inding time: 14 days to extract, 40 days to analyze thenol is(2-chloroethyl)ether(-chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichloroetha	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (-Chlorophenol ,3-Dichlorobenzene ,4-Dichlorobenzene ,4-Dichlorobenzene ,2-Dichlorobenzene ,4-Dichlorobenzene ,4-Dichlorobenzene ,4-Dichlorobenzene ,4-Dichlorobenzene ,4-Dichlorobenzene ,4-Dichlorobenzene ,4-Dichlorosedi-n-propylamine ,4-Dichlorosedi-n-p	05/09/95	05/25/95	480U 480U 480U 480U 50U 50U 50U 50U 50U 50U 50U 5		660 10,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 50,000 NA
Inding timer 14 days to extract, 40 days to analyze thenol is(2-chloroethyl)ether(-chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorobenzene 3-Dichlorophenol 3-Dichlorophenol 3-Dichloroethane 3-Dichloroethane 3-Dichloroethane 3-Dichloroethane 3-Dichlorophenol 3-Dichlorophenol 3-Dichlorophenol 3-Dichlorophenol 3-Dichlorophenol 3-Dichlorophenol	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA
Iolding time: 14 days to extract, 40 days to analyze Phenol is(2-chloroethyl)ether -(-chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -(-chlorobenzene -(-chlorobenzene -(-chlorobenzene -(-chlorobenzene -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloropensene -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 2,800,000 660 660 6,000 10,000 NA NA NA 10,000 68,000
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (Chlorophenol). 3-Dichlorobenzene (A-Dichlorobenzene (A-Dichlorobenzene). 3-Dichlorobenzene (A-Dichlorobenzene). 3-Dichlorobenzene (A-Dichlorobenzene). 3-Dichlorobenzene (A-Dichlorobenzene). 3-Dichlorobenzene (A-Dichlorophenol). 3-Dichlorophenol (A-Dichlorophenol). 3-Dichlorophenol (A-Dichlorophenol). 4-Dichlorophenol (A-Dichlorophenol). 4-Dichlorophenol (A-Dichlorophenol). 4-Dichlorophenol 05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA NA 10,000 68,000	
Iolding time: 14 days to extract, 40 days to analyze Phenol is(2-chloroethyl)ether -(-chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene -(-chlorobenzene -(-chlorobenzene -(-chlorobenzene -(-chlorobenzene -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloroisopropyl)ether -(-chloropensene -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol -(-chlorophenol	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 50,000 2,800,000 660 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (Chlorophenol 3-bichlorobenzene 4-bichlorobenzene 4-bichlorobenzene 5-bichlorobenzene 6-bichlorobenzene 6-bichlorobenzene 6-bichlorobenzene 7-bichlorobenzene 7-bichlorobenzene 7-bichlorobenzene 7-bichlorobenzene 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 7-bichlorophenol 8-bichlorophenol 05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 10,000 68,000 100,000 230,000 NA	
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (Chlorophenol J-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorosopropyl)ether (Chlorosopropyl)ether (Chlorosopropyl)ether (Chlorocthane A-Dichlorophenol A-	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 10,000 230,000 NA NA 10,000 NA NA NA 10,000 NA NA NA 10,000 NA
Inding time: 14 days to extract, 40 days to analyze thenol is(2-chloroethyl) ether - Chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 4-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorophyl) ether 5-Dichloroethane 5-Dichloroethane 5-Dichloroethane 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichloroethoxylmethane 5-Dichloroethoxylmethane 5-Dichloroethoxylmethane 5-Dichloro-3-methylphenol (p-chloro-m-cresol) 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6-Dichloro-3-methylphenol 6	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 NA NA 10,000 230,000 NA 100,000 100,000 100,000
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl) ether - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorosopropyl) ether - Chlorosopropyl) ether - Chlorosopropyl) ether - Chlorosopropyl ether - Chlorosopropyl ether - Chlorosopropyl ether - Chlorosopropyl ether - Chlorophenol	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 10,000 2,800,000 10,000 660 6,000 10,000 NA NA NA 10,000 68,000 100,000 1,000 NA NA 10,000 100,000 1,000 1,000 NA
Including timer 14 days to extract, 40 days to analyze thenol is (2-chlorocthyl) ether - (-chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 4-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 6-Dichlorophenol 5/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 NA NA 10,000 230,000 NA 100,000 100,000 100,000	
Inding timer 14 days to extract, 40 days to analyze thenol is (2-chlorocthyl) ether (2-chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 4-Dichlorobenzene 5-Dichlorobenzene 6-M: hylphenol is (2-chloroisopropyl) ether 6-Methylphenol 6-Nitroso-di-n-propylamine 6-Methylphenol 7-Dichlorophenol 7-Dic	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 NA 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (-Chlorophenol) (3-Chlorophenol) (3-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorosene))ether (4-Dichlorophenol) (4-Dichlorophenol (4-Dich	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 NA NA 10,000 230,000 10,000 10,000 10,000 10,000 NA NA NA 10,000 10,000 10,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl) ether - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorophenol - Chlorosopropyl) ether - Chlorosopropyl) ether - Chlorosopropyl) ether - Chlorosopropyl ether - Chlorosopropyl ether - Chlorosopropyl ether - Chlorosopropyl ether - Chlorophenol	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 NA NA 10,000 230,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (Chlorophenol) (3-chlorobenzene (4-Dichlorobenzene (4-Dichlorophenol (4-Dichloro	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 230,000 10,000 10,000 10,000 10,000 NA NA 10,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl) ether - Chlorophenol - Chloroph	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 230,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 NA 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA
Idelding timer 14 days to extract, 40 days to analyze Phenol is(2-chlorocthyl)ether (Chlorophenol J-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Mirophenol is(2-chloroisopropyl)ether A-Methylphenol A-Methylphenol A-Dichlorophenol A-	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 100,000 10,000 2,800,000 10,000 2,800,000 660 660 6,000 10,000 NA NA 10,000 68,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl) ether - Chlorophenol - Chloroph	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 8A NA 10,000 10,00
Idelding timer 14 days to extract, 40 days to analyze thenol is (2-chlorocthyl) ether (2-chlorophenol). 3-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene). 3-Dichlorobenzene (5-2-chloroisopropyl) ether (5-2-chloroisopr	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 660 660 6,000 10,000 8NA NA 10,000 68,000 100,000 NA
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (Chlorophenol JDichlorobenzene (A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorosopropyl)ether (A-Methylphenol A-Directhane (Incompared A-Directhylphenol	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 8A NA 10,000 68,000 100,00
Including timer 14 days to extract, 40 days to analyze thenol is (2-chlorocthyl) ether - (-chlorophenol 3-Dichlorobenzene 4-Dichlorobenzene 4-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorobenzene 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 5-Dichlorophenol 6-Dichlorophenol 6-Dichlorophenol 6-Dichlorophenol 6-Dichlorophenol 6-Dichlorophenol 6-Dichlorophenol 6-Dichlorophenol 6-Dichlorophenol 6-Dichlorophenol 6-Dinitroluene	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 NA NA 10,000 230,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 10,000 10,000 NA 1
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (Chlorophenol JDichlorobenzene (A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorosopropyl)ether (A-Methylphenol A-Directhane (Incompared A-Directhylphenol	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 2,800,000 10,000 80,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 100,000 100,000 NA 1,000 NA
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl) ether - Chlorophenol - Chlorophenol - Chlorobenzene - Chlorobenzene - Chlorobenzene - Chlorobenzene - Chlorobenzene - Chlorobenzene - Chlorophenol - Ch	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 NA NA 10,000 230,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 10,000 10,000 NA 1
Idelding timer 14 days to extract, 40 days to analyze thenol is (2-chlorocthyl) ether (2-chlorophenol). 3-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene). 3-Dichlorobenzene (4-Dichlorobenzene). 3-Dichlorobenzene (4-Dichlorobenzene). 3-Dichlorobenzene (4-Dichlorophenol). 3-Dichlorophenol (4-Dichlorophenol). 3-Dichlorophenol). 3-Dichlorophenol (4-Dichlorophenol). 3-Dichlorophenol). 3-Dichl	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 2,800,000 80,
Idelding timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (Chlorophenol J-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-Dichlorobenzene A-M: hylphenol is(2-chloroisopropyl)ether (Methylphenol A-Dichlorophenol	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U		660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 80 10,000 660 6,000 10,00
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl) ether (2-chlorobeny) ether (3-chlorobeny) ether (3-chlorobeny) ether (4-Dichlorobeny) ether (4-Dichlorobeny) ether (4-Dichlorobeny) ether (4-Dichlorobeny) ether (4-Chlorosiospropyl) ether (4-Chlorosphila) ethylphilalate ethylphilalate (4-Chlorophenol ethylphilalate (4-Chloro	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U	1007	660 10,000 100,000 100,000 50,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 230,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 10,000 10,000 NA 1,00
Idelding timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (Chlorophenol) (3-chlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorophenol) (4-Dichlorophenol (4-Dichloroph	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U	100)	660 10,000 100,000 100,000 100,000 50,000 10,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 10,000 230,000 1,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 NA 1,000 100,000 NA 1
Including timer 14 days to extract, 40 days to analyze thenol is(2-chlorocthyl)ether (-Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorophenol -Chlorospropyl)ether (-Chlorospropyl)ether (-Chlorophenol -Chlorophenol 5/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U	100)	660 10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 1,000 N	
Idelding timer 14 days to extract, 40 days to analyze thenol is (2-chlorocthyl) ether (2-chlorophenol). 3-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorophenol (4-Dichl	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U	1003	660 10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 100,000 NA 100,000
Idelding timer 14 days to extract, 40 days to analyze thenol is (2-chlorocthyl) ether (2-blorophenol). 3-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene). 4-Dichlorobenzene (5-2-blorobenzene). 5-Dichlorobenzene (5-2-bloroisopropyl) ether (5-2-bloroisoprop	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U	100)	660 10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 1,000 NA
Idelding timer 14 days to extract, 40 days to analyze thenol is (2-chlorocthyl) ether (2-chlorophenol). 3-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorobenzene (4-Dichlorophenol (4-Dichl	05/09/95	05/25/95	480U 480U 480U 480U 480U 480U 480U 480U	100)	660 10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 100,000 NA 100,000

	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW 480U	Result ug/kg DW	Bulk Sediment Criteria ug/ke
b == zo(b) fluoranthene			480U		900
Berzo(k)fluoranthene			480U	140)	230
Benzo(a)pyrene (BaP)			480U	1403	900
indeno(1,2,3-cd)pyrene			480U		31
Dibenz(a,h)enthracene Benzo(g,h,i)perylene	~		480U		NA NA
N-nitrosodimethylamine			4800U		NA
Bazzidine			4800U		NA
1.2-Diphenylhydrazine			4800U		NA
Bazyi Alcohol		<u> </u>	4BOU		50,000
					
PESTICIDES/PCBS (SW846 8080):		****			
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/14/95	120		NA NA
elpha-BHC beta-BHC		 	12U		NA
bea-BHC			120		- NA
delta-BHC			120		520
gamma-BHC (Lindane) Heptachlor			120		150
Aldrin		 	120		40
Heptschlor Epoxide		 	120		NA
Endosulfan I		 	120		50,000
Dieldrin	-		230		il
4.4-DDE			23U		2,000
Endrin	1		23U		42
Endosulfan II			23U		50,000
4.4'-DDD (p.p'-TDE)			23U		3,000
Endosulfan Sulfate			23U		50,000
4,4'-DDT			23U		2,000
Mehoxychlor			120U		50,000
Endrin Ketone			230		NA NA
Endrin Aldebyde			230		ŊA
alpha-Chlordane			120		NA NA
gamma-Chlordane			120		NA NA
Mirex			23U 230U		100
Toxaphene	- 		120U	· · · · · · · · · · · · · · · · · · ·	29
Aroclor-1016		ļ	120U		29
Aroclor-1221			120U		29
Aroclor-1232		ļ <u></u>	120U		<u>25</u>
Aroclor-1242 Aroclor-1248			120U		29
Aroclor-1254		ļ	1200		29
Aroclor-1260			120U		29
			1200		
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95	·		
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Antimony			420 U	420 UN	14,000
Arsonic				3,200 N	8,000
Berium					
				40,800	700,000
Bayllium	<u></u>		20 U		700,000 1,000
Beryllium Cedmium			20U	60 B	700,000 1,000 1,000
Beryllium Cedmium Oromium			20U	60 B 16,000	700,000 1,000 1,000 33,000
Beryllium Cadmium Cromium Copper			20U	60 B 16,000 4,200	700,000 1,000 1,000 33,000 28,000
Beryllium Cedmium Orromium Copper Lead	Smans smans	Small small		60 B 16,000	700,000 1,000 1,000 33,000 28,000 21,000
Beryllium Cedmium Cromium Cropper Lead Mercury	5/22/95, 5/23/95	S/22/95, S/24/95	20U	60 B 16,000 4,200 4,400	700,000 1,000 1,000 33,000 28,000 21,000
Beryllium Cadmium Conomium Copper Lead Marcury Nickel	5/22/95, 5/23/95	5/22/95, 5/24/95	140U	60 B 16,000 4,200	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900
Beryllium Cadmium Coromium Cooper Lead Mercury Nickel Selenium	5/22/95, 5/23/95	S/22/95, S/24/95	140U 240U	60 B 16,000 4,200 4,400 10,700	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000
Beryllium Cedmium Orromium Cropper Lead Mercury Nickel Selenium Silver	5/22/95, 5/23/95	\$/22/95, \$/24/95	140U	60 B 16,000 4,200 4,400 10,700	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500
Beryllium Cedmium Conomium Cooper Lead Marcury Nickel Scienium Silver Thallium	5/22/95, 5/23/95	5/22/95, 5/24/95	140U 240U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000
Beryllium Cadmium Coromium Cooper Lead Mercury Nickel Scienium Silver Tallium Venadium	5/22/95, 5/23/95	\$122/95, \$124/95	140U 240U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000
Beryllium Cadmium Coromium Cooper Lead Mercury Nickel Scienium Silver Tallium Venadium	5/22/95, 5/23/95	\$122/95, \$124/95	140U 240U	60 B 16,000 4,200 4,400 10,700	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000
Beryllium Cedmium Cedmium Copper Lead Marcury Nickel Scienium Sciver Thallium Vensdium Zanc NORGANICS - OTHER (Results in mg/kg DW):	5/22/95, 5/23/95		140U 240U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cedmium Coromium Cooper Lead Mercury Nickel Selenium Silver Thallium Venadium Zine NORGANICS - OTHER (Results in mg/kg DW): Total Organic Carbon (LOI)		5/19/95, 5/23/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cedmium Cedmium Corper Lead Kercury Nickel Selenium Silver Thellium Venadium Zinc NORGANICS - OTHER (Results in mg/kg DW): Total Organic Carbon (LOI) Cyanide			140U 240U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cedmium Cedmium Corpor Lead Mercury Nickel Scientum Sciver Thallium Venadium Zinc PNORGANICS - OTHER (Results in mg/ke DW): Total Organic Carbon (LOI) Cyanide Moisture, in Percent		5/19/95, 5/23/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cedmium Cedmium Copper Lead Mercury Nickel Seienium Silver Thellium Venadium Zinc NORGANICS - OTHER (Results in mg/kg DW): Total Organic Carbon (LOI) Cvanide Moisture, in Percent GRAIN SIZE: Results in % Recovery		5/19/95, 5/23/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300 16,464 31.00	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cedmium Cedmium Corpor Lead Mercury Nickel Scientium Silver Thallium Venadium Zanc PNORGANICS - OTHER (Results in mg/kg DW): Total Organic Carbon (LOI) Cyanide Moisture, in Percent GRAIN SIZE: GRANI SIZE: GRANI SIZE: Serults in % Recovery Sieve #4		5/19/95, 5/23/95 5/13/95, 5/16/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300 16,464 31.00	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cedmium Cedmium Corpor Lead Mercury Nickel Selenium Silver Thellium Venadium Zane NORGANICS - OTHER (Results in mg/kg DW): Total Organic Carbon (LOI) Cvanide Moisture, in Percent GRAIN SIZE: Results in % Recovery Sieve #4 Sieve #4 Sieve #4 Sieve #4 Sieve #4		5/19/95, 5/23/95 5/13/95, 5/16/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300 16,464 31.00	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cadmium Cadmium Copper Lead Marchry Nickel Seienium Silver Thallium Vanadium Zanc NORGANICS - OTHER (Results in mg/kg DW): Total Organic Carbon (LOI) Cvanide Moisture, in Percent GRAIN SIZE: Results in % Recovery Sieve #4 Sieve #40 Sieve #40		5/19/95, 5/23/95 5/13/95, 5/16/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300 16,464 31.00	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cedmium Cedmium Copper Lead Mercury Nickel Scienium Silver Thellium Veradium Zinc NORGANICS - OTHER (Results in mg/kg DW): Total Organic Carbon (LOI) Cvanide Moisture, in Percent GRAIN SIZE: Results in % Recovery Sieve #4 Sieve #4 Sieve #4 Sieve #4 Sieve #40		5/19/95, 5/23/95 5/13/95, 5/16/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300 16,464 31.00	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cedmium Cedmium Copper Lead Maroury Nickel Seienium Silver Thallium Venadium Zanc INORGANICS - OTHER (Results in mg/kg DW): Total Organic Carbon (LOI) Cvanide Moisture, in Percent GRAIN SIZE: Results in % Recovery Sieve #4 Sieve #4 Sieve #40		5/19/95, 5/23/95 5/13/95, 5/16/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300 16,464 31.00	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cadmium Cadmium Copper Lead Marchry Nickel Seienium Silver Thallium Vanadium Zanc NORGANICS - OTHER (Results in mg/kg DW): Total Organic Carbon (LOI) Cvanide Moisture, in Percent GRAIN SIZE: Results in % Recovery Sieve #4 Sieve #4 Sieve #4 Sieve #40 Sieve #40 Sieve #200 Results in Relative %		5/19/95, 5/23/95 5/13/95, 5/16/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300 16,464 31.00	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Beryllium Cedmium Cedmium Copper Lead Mercury Nickel Selenium Silver Thallium Venadium Zanc NORGANICS - OTHER (Results in mg/ke DW): Total Organic Carbon (LOI) Cvanide Moisture, in Percent GRAIN SIZE: Results in % Recovery Sieve #4 Sieve #4 Sieve #40 Sieve #40 Sieve #200 Results in Relative %		5/19/95, 5/23/95 5/13/95, 5/16/95	140U 240U 70U	60 B 16,000 4,200 4,400 10,700 70 UN 770 B 16,200 30,300 16,464 31.00 0.0 0.0 10.7 52.6	700,000 1,000 1,000 33,000 28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000

٠.

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

ample ID: SFM-2-95-C-5.0 ab ID: SFM2C5 ampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result	Bulk Sediment Criteria ug/kg
OLATILE ORGANICS (SW846 8240):					
olding time: 14 days		5/10/95			
cetone			150		100,000
crolein			1500		NA 1,000
crylonitrile Enzene		ļ	150U 15U		1,000
romodichloromethane			150		1,000
romoform			150		1,000
romomethane			130		1,000
Butanone (MEK)			15U 15U		50,000 1,000
arbon Tetrachloride Chloroethylyinyfether		 	130		NA NA
Horobenzene	·		130		1,000
loroethane			150		NA
nloroform			150		1,000
loromethane			15U 15U		10,000
2-Dichloropropane 1-Dichloroethane		ļ	150	<u> </u>	10,000
2-Dichloroethane			130		1,000
-Dichloroethene			150		8,000
bromochloromethane			13U		1,000
2-trans Dichloroethylene			15U 15U		50,000 1,000
2-cis Dichloroethene -1,3-Dichloropropene			150		1,000
ns-1.3-Dichloropropene			150		1,000
hylbenzene			130		100,000
lexanone			150		NA KO OVO
Methyl-2-Pentanone (MIBK)		<u> </u>	150	5 J	50,000 1,000
ethylene Chloride yrene		 	15U 15U	3,1	23,000
trachloroethylene	*	 	150		1,000
1,2,2-Tetrachloroethane			130		1,000
luene			150		500,000
1,1-Trichloroethane		 	15U 15U		50,000 1,000
I,2-Trichloroethane ichloroethene (TCE)		 	15U		1,000
nyl Chloride		 	150		2,000
Jenes (Total)			150		10,000
,1,2-Tetrachloroethane			150		1,000
		}		ļ 	
olding time: 14 days to extract, 40 days to analyze tenol s(2-chloroethyl)ether	05/09/95	05/25/95 and 05/26/95	510U 510U		50,000 660
Chlarophenol			510U		10,000
3-Dichlorobenzene			510U 510U		100,000
4-Dichlorobenzene 2-Dichlorobenzene			5100		50,000
Methylphenol			5100		2,800,000
s(2-chloroisopropyl)ether			510U		10,000
Methylphenol Nitroso-di-n-propylamine			510U 510U		4,800,000
xachloroethane			3100		6,000
trobenzene			310U .		10,000
phorone			310U		50,000
Vitrophenol			510U 510U		NA NA
I-Dimethylphenol I-Dichlorophenol			310U 310U		10,000
4-Trichlorobenzene			3100		68,000
phthalene			510U		100,000
hloroaniline			310U		230,000
xachlorobutadiene		ļI	510U 510U		1,000 NA
(2-Chloroethoxy)methane Chloro-3-methy1phenol (p-chloro-m-cresol)			310U 310U		100,000
xachlorocyclopentadiene			310U		100,000
,6-Trichlorophenol			510U		10,000
,5-Trichlorophenol			2600U 510U		50,000 NA
hioronaphthalene nethyl phthalate		 	3100		50,000
APPLIES DIMERION		. '			44
			510U		
enaphthylene -Dinitrotoluene			510U		1,000
enaphthylene -Dinitrotoluene enaphthene			510U 510U		. 16
enaphthylene -Dinitrotoluene enaphthene -Dinitrophenol			510U 510U 2600U		16
enaphthylene -Dinitrotoluene enaphthene -Dinitrophenol Vitrophenol			510U 510U 2600U 2600U 510U		16 10,000 NA 1,000
emphthylene -Dinitrotoluene emphthene -Dinitrophenol litrophenol -Dinitrotoluene			510U 510U 2600U 2600U 510U 510U		. 16 10,000 NA 1,000 50,000
enaphthylene -Dinitrotoluene enaphthene -Dinitrophenol itrophenol -Dinitrotoluene -thylphthalate -thlorophenyl-phenylether			510U 510U 2600U 2600U 510U 510U 510U		16 10,000 NA 1,000 50,000 NA
enaphthylene -Dinitrotoluene -Dinitrotoluene -Dinitrotoluene -Dinitrophenol -Ittophenol -Dinitrotoluene -thylphthalate -Thlorophenyl-phenylether torene			510U 510U 2600U 2600U 510U 510U 510U 510U		. 16 10,000 NA 1,000 50,000 NA 18
enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene itirophenol itirophenol -Dinitrotoluene ethylphthalate -hlorophenyl-phenylether torene -Dinitro-2-methylphenol			\$10U \$10U 2600U 2600U \$10U \$10U \$10U \$10U \$10U		16 10,000 NA 1,000 50,000 NA 18 NA
enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene -Dinitrophenol litrophenol -Dinitrotoluene -thylphthalate -thlorophenyl-phenylether torene -Dinitro-2-methylphenol Nitrosodinphenylamine			510U 510U 2600U 2600U 510U 510U 510U 510U 2600U 510U		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA
enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene -Dinitrophenol hitrophenol -Dinitrotoluene ethylphthalate -hlorophenyl-phenylether oorene -Dinitro-2-methylphenol Nitrosodiphenylamine formophenyl-phenylether sachlorobenzene			\$10U \$19U 2600U 2600U \$10U \$10U \$10U 2600U \$10U \$10U \$10U		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA
enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene -I-Dinitrophenol Vitrophenol -Dinitrotoluene -Dinitrotoluene -thylphthalate -Chlorophenyl-phenylether torene -Dinitro-2-methylphenol Vitrosodiphenylamine			\$10U \$19U 2600U 2600U \$10U \$10U \$10U 2600U \$10U \$10U \$10U		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000
enaphthyleneDinitrotoluene enaphtheneDinitrophenolDinitrophenolDinitrotolueneDinitrotolueneDinitrotolueneDinitrotolueneDinitrophenyl-phenylether			\$10U \$10U 2600U 2600U \$10U \$10U \$10U \$10U 2600U \$10U \$10U \$10U \$10U \$10U \$10U		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA
enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene -Dinitrophenol -Dinitrotoluene ethylphthalate -Dinitrotoluene ethylphthalate -Diorophenyl-phenylether ourene -Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether xachlorobenzene etholorophenol enanthrene ethnacene			\$10U \$19U 2600U 2600U \$10U \$10U \$10U 2600U \$10U \$10U \$10U \$10U \$10U \$10U \$10U \$		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85
enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene -I-Dinitrophenol Vitrophenol -Dinitrotoluene ethylphthalate -Thorophenyl-phenylether sorene -Dinitro-2-methylphenol Nitrosodiphenylamine sromophenyl-phenylether kachlorobenzene thachlorophenol enanthrene thracene -Thorophenol enanthrene thracene -Thorophenol enanthrene thracene -Thorophenol enanthrene thracene -Thorophenol enanthrene thracene			\$10U \$10U 2600U 2600U \$10U \$10U \$10U \$10U \$10U \$10U \$10U \$		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380
enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene -I Dinitrophenol -I Dinitrophenol -I Dinitrotoluene ethylphthalate -Thorophenyl-phenylether ourene -Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether xachlorobenzene -thachlorophenol enanthrene -Thorophenol -Thoropheno			\$10U \$19U 2600U 2600U \$10U \$10U \$10U 2600U \$10U \$10U \$10U \$10U \$10U \$10U \$10U \$		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290
enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene -Dinitrophenol itrophenol -Dinitrotoluene ethylphthalate -Dinitrotoluene ethylphthalate -Dinitroz-thenylether torene -Dinitroz-thenylether torene -Dinitroz-thenylether torene -Dinitroz-thenylether torene -Dinitroz-thenylether torene -Dinitroz-thenylether torenephenyl-phenylether torenephenyl-phenylether torenberozene thenhorophenol enanthyene thracene -n-butylphthalate oranthene ene			\$10U \$19U 2600U \$10U \$10U \$10U \$10U \$10U \$10U \$10U \$		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000
enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene enaphthene -Dinitrophenol -Dinitrotoluene ethylphthalate -Thorophenyl-phenylether ourene -Dinitro-2-methylphenol Nitrosoliphenylamine Fromophenyl-phenylether xachlorobenzene entachlorophenol enanthrene thracene -butylphthalate uoranthene etene tylbenzylphthalate -tolcylphthalate -tolcylpobenzidine			\$10U \$10U 2600U 2600U \$10U \$10U \$10U \$10U \$10U \$10U \$10U \$		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000
enaphthylene 5-Dinitrotoluene enaphthene 1-Dinitrotoluene ethylphthalate 1-Dinitrotoluene ethylphthalate 1-Dinitrophenyl-phenylether ourene 1-Dinitro-2-methylphenol Nitrosodiphenylamine 3-Domophenyl-phenylether sachlorobenzene etholorophenol etholorophenol enanthrene ethorophenol enanthrene ethorophenol ethoro			\$10U \$19U 2600U 2600U \$10U \$10U \$10U 2600U \$10U \$10U \$10U \$10U \$10U \$10U \$10U \$		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000
enaphthylene -Dinitrotoluene -Dinitrotoluene -Dinitrotohenol Nitrophenol Nitrophenol -Dinitrotoluene -thylphthalate Chlorophenyl-phenylether Jorene -Dinitro-2-methylphenol Nitrosodiphenyl-phenylether Jorene -Tomoro-2-methylphenol Nitrosodiphenyl-phenylether Jorene Joren			\$10U \$10U 2600U 2600U \$10U \$10U \$10U \$10U \$10U \$10U \$10U \$		16 10,000 NA 1,000 50,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 85 100,000 380 290 100,000 160

Sample ID: SFM-2-95-C-5.0		<u> </u>			
Sample ID: SFM-2-95-C-5.0 Lab ID: SFM2C5	-		Method Detection	77	Bulk Sediment
Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Limit	Result ug/kg DW	Criteria ug/kg
Benzu(b)[luoranthene	Date Extracted	DIK MIDITE	ug/kg DW 310U		900
Benzo(k)fluoranthene			510U	1601/1501	900
Benzu(a)pyrene (BaP)			510U 510U	1603/1303	230 900
Indeno(1,2.3-cd)pyrene Dibenz(a,h)anthracene			3100		31
Benzo(g,h,i)perylene			510U		NA NA
N-nitrosodimethylamine			5100U		NA NA
Benzidine 1,2-Diphenylhydrazine		-	\$100U \$100U		NA NA
Benzyl Alcohol	 		3100		50,000
PESTICIDES/PCBS (SW846 8080):		1			
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/14/95			
alpha-BIIC			120		NA NA
beta-BHC delta-BHC	ļ 	ļ	12U 12U		NA NA
gamma-BIIC (Lindane)			120		520
leptachlor			12U		150
Aldrin			12U		40
Heptachlor Epoxide Endosulfan			12U		NA 50,000
Endosulian I Dieldrin		 	25U	 	30,000
4,4'-DDE			25U		2,000
Endrin			25U		42
Endosulfan II		 	25U 25U		50,000 3,000
4.4'-DDD (p.p'-TDE) Endosulian Suliate		· · · · · · · · · · · · · · · · · · ·	25U		50,000
4.4'-DDT	1		25U		2,000
Methoxychlor			120U		50,000
Endrin Ketone			25U 25U		NA NA
Endrin Aldehyde alpha-Chlordane		<u> </u>	120		NA NA
gamma-Chlordane			120		NA NA
Mirex			25U		NA
Toxaphene			250U		100
Aroclor-1016 Aroclor-1221			120U 120U		29 29
Aroclor-1221 Aroclor-1232			1200		29
Aroclor-1242			120U		29
Aroclor-1248			120U 120U		29 29
Aroclor-1254 Aroclor-1260	 		120U		29
740Cl01-1 200	 		1200	· · · · · · · · · · · · · · · · · · ·	
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
Holding time: 6 months (Fig 14 days)	all except Hg	all except Hg			
Antimony	all except tig	an except ing	540U	540 UN	14,000
Arsenic				4,000 N	8,000
Barium Berviljum			30U	52,500	700,000
Cadmium		 	300	60 B	1,000
Chromium				17,500	33,000
Copper				5,900	28,000
Lead	5/12/05 5/22/05	5/22/95, 5/24/95	150U	5,500	21,000
Mercury Nickel	3:20, 3:23:93	JI LU 33, 31 L4: Y3	1300	13,000	20,900
Selenium	<u> </u>			320 B	63,000
Silver				190 BN	500
Thallium Vanadium	 	 		1,200 B 17,400	2,000 370,000
Vanadium Zinc	 			35,500	68,000
INORGANICS - OTHER (Results in mg/kg DW);					
Total Organic Carbon (LOI)		5/19/95, 5/23/95	, , , , , , , , , , , , , , , , , , , ,	60,692	NA
Cyanide	-	3/13/95, 5/16/95	0.5U	35.00	1,100 NA
Moisture, in Percent	 -			33.00	NA
CD AIN SIZE.					
GRAIN SIZE: Results in % Recovery	1	5/26/95, 5/27/95			
Sieve #4				0.0	
Sieve #10				1.5	
Sieve #40 Sieve #200				2.7 46.5	
Sieve #200	- 			40.3	
Results in Relative %	1				
Silt				31.7	
Clay				17.7	
		<u>. </u>		I	

Definitions:

Definitions:

NA - Not Available

log %g - micrograms per kilogram, parts per billion

log %g - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

* Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: SHI-1-95-C-0.0 Lab ID: SHIIC0			Method Detection		Bulk Sediment
Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Limit ug/kg DW	Result ug/kg DW	Criteria ug/kg
YOLATILE ORGANICS (SW846 8240):		cone	· .		
Holding time: 14 days Acetone		5/9/95	210		100,000
Acrolein Acrylonitrile	 		210U 210U		NA 1,000
Benzene			21U 21U		1,000
Bromodichloromethane Bromoform			210		1,000
Bromomethane 2-Butanone (MEK)			21U 21U		1,000 50,000
Carbon Tetrachloride			210		1,000 NA
2-Chloroethylvinylether Chlorobenzene			21U 21U		1,000
Chloroethane Chloroform			21U 21U		NA 1,000
Chloromethane			210		10,000
1,1-Dichloropropane			21U 21U		10,000
1,2-Dichloroethane			2)U 2)U		1,000 8,000
1,1-Dichloroethene Dibromochloromethane			210		1,000
1,2-trans Dichloroethylene			2)U 2)U		50,000 1,000
cis-1,3-Dichloropropene			210		1,000
trans-1,3-Dichloropropene Ethylbenzene	<u> </u>		21U 21U		1,000 100,000
2-Hexanone			21U 21U		NA 30,000
4-Methyl-2-Pentanone (MIBK) Methylene Chloride			210	6)	1,000
Styrene Tetrachloroethylene			21U 21U		23,000 1,000
1,1,2,2-Tetrachloroethane			21U 21U		1,000 500,000
Toluene 1,1,1-Trichloroethane	l		210		50,000
1,1,2-Trichloroethane			21U 21U		1,000
Trichloroethene (TCE) Vinyl Chloride			210		2,000
Xylenes (Total) 1,1,1,2-Tetrachloroethane			21U 21U		10,000
1,1,1,2-1 ed activocorane					
SEMIVOLATILE ORGANICS (SW846 8270);	 				
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/22/95			
Phenol			690U 690U		50,000 660
bis(2-chloroethyl)ether 2-Chlorophenol			690U		10,000
1,3-Dichlorobenzene			690U 690U		100,000 100,000
1,2-Dichlorobenzene			690U		50,000
(2-Methylphenol bis(2-chloro:sopropyl)ether			690U 690U		2,800,000 10,000
4-Methylphenol N-Nitroso-di-n-propylamine			690U 690U		2,800,000 660
Hexachloroethane			690U		6,000
Nitrobenzene Isophorone	ļ		690U 690U		50,000
2-Nitrophenol 2-4-Dimethylphenol			690U 690U		NA NA
2,4-Dichlorophenol			690U		10,000
1,2,4-Trichlorobenzene Naphthalene			690U		68,000 100,000
Hexachlorobutadiene			690U 690U		230,000 1,000
bis(2-Chloroethoxy)methane			690U		NA
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			690U		100,000
2.4.6-Trichlorophenol			690U		10,000
2,4,5-Trichlorophenol 2-Chloronaphthalene	 		3500U 690U		50,000 NA
Dimethyl phthalate			690U 690U		50,000 44
Acenaphthylene 2,6-Dinitrotoluene			690U		1,000
Acenaphthene 2.4 Dinitrophenol			690U 3500U		16
4-Nitrophenol			3500U		NA 1,000
2,4-Dinitrotoluene Diethylp halate	<u> </u>		690U 690U		50,000
M. Chlore obeny, intersylether			690U 690U		NA 18
r luorene 4,6-Dinitro-2-methylphenol			3500U		NA
N-Nitrosodiphenylamine 4-Bromophenyl-phenylether			690U 690U		100,000 NA
Hexachlorober zene			690U		660 6,000
Pentachlorophenol Phenanthrene			3500U 590U	85 J	NA
Anthracene			690U	81)	85 100,000
Di-n-butylphthalate Fluoranthene			690U	140 J	380
Pyrene Butylbenzylphthalate			690U 690U	160 J	290 100,000
3,3'-Dichlorobenzidine			1400U		2,000 160
Benzo(s)anthracen: Chrysene			690U 690U	86 J 110 J	220
Bis(2-Ethylhexyl)phthalate			690U	840	49,000
Di-n-octylphthalate			690U		100,000

Sample ID: SHI-1-95-C-0.0 Lab ID: SHI1C0			Method Detection	1	Bulk Sediment
Sampling Date: 5/3/95	,		Limit	Result	Criteria
Sampaig Date: Goiso	Date Extracted	Date Anglyzed	ug/kg DW	ug/kg DW	ug/kg
Benzo(b)Huoranthene	Date Battactio	1	6900	1001	900
Benzo(k)fluoranthene			690U	120 1	900
Benzo(a)pyrene (BaP)		i	690U	91 J	230
Indeno(1,2,3-cd)pyrene			690U		900
Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene			690U		31
Benzo(g.h.i)perylene N-nitrosodimethylamine		L	690U	<u> </u>	NA
		<u></u>	6900U		NA NA
Benzidine			6900U		NA
1,2-Diphenylhydrazine			6900U		NA NA
Benzyl Alcohol		<u> </u>	690U		50,000
		<u> </u>		 	
PESTICIDES/PCBS (SW846 8080):		1		1	
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/24/95			
alpha-BHC	03/03/33	03/24/75	33U	 	NA
beta-BHC			330		NA NA
lelia-BHC		 	33U	 -	NA
gamma-BHC (Lindane)		 	330	 	520
Heptachlor		 	33U	 	150
Aldrin			33U	 	40
Heptachlor Epoxide	 	 	330		NA
Endosulfan I	 	ļ	33 Ŭ	 	50,000
Dieldrin	-1	 	670	 	11
I,4'-DDE			670	76	2,000
indrin		1	67U		42
indosulfan II			670		50,000
4.4'-DDD (p,p'-TDE)			670		3,000
Endosulfan Sulfate	 		67U		50,000
1.4'-DDT			670	 	2,000
Methoxychlor			330U		50,000
endrin Ketone	-	 	67U		NA
ndrin Aldehyde			670	 	NA
lpha-Chlordane			33U		NA
zamma-Chlordane			33U		NA
Mirex			67U		NA
Toxaphene			670U		100
Aroclor-1016			330U	T	29
Aroclor-1221			330U		29
Aroclor-1232			330U		29
Aroclor-1242			330U		29
Aroclor-1248			330U		29
Aroclor-1254			330 U	230 J	29
Aroclor-1260			330U		29
NORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95		1	
	1			1	
folding time: 6 months (Hg 14 days)	all except Hg	all except Hg		1,700 BN	14,000
Antimony		<u> </u>		1,700 BN	8,000
Arsenic		 		184,000	700,000
Barium		 	40U	107,000	1,000
Beryllium		<u> </u>	400	3,000	1,000
Cadmium	_			114.000	33,000
Chromium	- 			78 200	28,000
Copper cad				78,800	21,000
Aercury	502/05 5/22/05	5/22/95, 5/24/95		520	100
Vickel	JILU 3 3, 31 L3/93	J. LU J.J., J. L. 7.33		34,600	20,900
elenium				1,300	63,000
ilver	 			2,800 N	500
halium		 		2,600	2,000
/anadium		 -		87,000	370,000
inc		 		380,000	68,000
	-				
NODALIZACIONE CHINESE CONTROL					
NORGANICS - OTHER (Results in mg/kg DW):	j i	[[[[[[[[[[[[[[[[[[[[caone	MA
otal Organic Carbon (LOI)		5/19/95, 5/23/95	V 211	64,896	NA 1,100
Cyanide	 	5/13/95, 5/16/95	0.5U	- 53 M	NA
Moisture, in Percent		 		52.00	NW.
	-		·	 	
GRAIN SIZE:	1 1	l			
Results in % Recovery		5/26/95, 5/27/95			
ieve #4				0.0	
ieve #10				0.0	
ieve #40				3.5	
ieve #200				20.3	
esults in Relative %					
ilt in the second of the secon				58.2	
Clay				18.0	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Lab ID: SHI1C6 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ng/kg DW	Result ug/kg DW	Bulk Sediment Criteria vg/kg
VOLATILE ORGANICS (SW846 8240): Holding time: 14 days	_	5/9/95			
Acetone			1500		100,000 NA
Acrolein Acrylonitrile	 	 	1500		1,000
Benzene			130		1,000
Bromodichloromethane		ļ	15U 15U		1,000
Bromonethane	-		130		1,000
2-Butanone (MEK)			150		50,000
Carbon Tetrachloride 2-Chloroethylvinylether	 		130		NA .
Chlorobenzene			150		1,000 NA
Chlorocuthane Chloroform	 		130	<u> </u>	1,000
Chloromethane			150		10,000
1.2-Dichloropropane	 	 	150	 	10.000
1,1-Dichloroethane			150		1,000
1.1-Dichloroethene			150	ļ	8,000 1,000
Dibromochloromethane 1.2-trans Dichloroethylene	 	 	130		30,000
1,2-cis Dichloroethene			150		1,000
cis-1,3-Dichloropropene			150		1,000
trans-1,3-Dichloropropene Ethylberizene	+	 	150		100,000
2-Hexanone			150		NA S0.000
4-Methyl-2-Pentanone (MIBK)	_	<u> </u>	150	45	50,000 1,000
Methylene Chloride Styrene	 		15U		23,000
Tetrachlorocthylene			150		1,000
1,1,2,2-Tetrachloroethane Toluene		 	150	27	300,000
1.1.1-Trichloroeth: 1e	 		150		50,000
1,12-Trichloroethane			15U		1,000
Trichloroethene (TCE) Vinyl Chloride	 		130		2,000
Xylenes (Total)			15U		10,000
1,1,1,2-Tetrachlorocthane]		150		1,000
	 	 			
SEMIYOLATILE ORGANICS (SW846 8270):					
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/25/95	·		
Phenoi			500U		50,000
bis(2-chloroethyl)ether	Ţ		500U 500U	[10,000
2-Chlorophenol	. 1				
	7	T	5000		100,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene			3000		100,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene			500U 500U		100,000 100,000 50,000 2,800,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether			\$000 \$000 \$000 \$000		100,000 100,000 50,000 2,800,000 10,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol			\$000 \$000 \$000 \$000 \$000 \$000		100,000 100,000 50,000 2,800,000 10,000 2,800,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether			500U 500U 500U 500U 500U 500U 500U		100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene			500U 500U 500U 500U 500U 500U 500U 500U		100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene kophorone			500U 500U 500U 500U 500U 500U 500U		100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol big(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2-Nitrophenol 2-Himphenol			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroetiane Nitrobenzene Sophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol			500U 500U 500U 500U 500U 500U 500U 500U		100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 10,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Tichlorobenzene Naphthalene Naphthalene			500U 500U 500U 500U 500U 500U 500U 500U		100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 50,000 2,800,000 10,000 2,800,000 10,000 50,000 NA NA 10,000 68,000 100,000 100,000 100,000 100,000 NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocthane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Tichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			500U 500U 500U 500U 500U 500U 500U 500U		100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Sisophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphhalene Hexachloroethane Naphhalene Hexachlorobutadiene bis(2-Chloroethoxy)methane Hexachloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 2,800,000 10,000 2,800,000 660 6,000 10,000 S0,000 NA NA 10,000 68,000 100,000 230,000 NA 100,000 1,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-Chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti-ane Nitrobenzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloro-dhoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 NA 100,000 50,000 1,000 100,000 50,000 100,000 50,000 100,000 50,000 100,000 50,000 50,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroctiane Nitrobenzene Sisophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphhalene Hexachlorobutadiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocylenol 1-2,4-Trichlorophenol 2,4-S-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronsphthalene			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 NA 100000 100,000 100,000 100,000 100,000 NA 100,000 NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-Chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti-ane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphhalene 4-Chloroaniline Hexachlorocti-ane Nitrobenzene Isophorone 1,2,4-Trichlorobenzene Naphhalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Dimethyl phthalate			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA 10,000 68,000 100,000 230,000 NA 100,000 100,000 100,000 100,000 100,000 100,000 NA 10,000 NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chlorosopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroctiane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Tichlorobenzene Naphthalene 4-Chlorosalline Hexachloroctiane Naphthalene 4-Chlorosalline Hexachloroctiane Naphthalene 4-Chlorosalline Hexachlorobutadiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chlorosaphthalene Dimethyl phthalate Accenaphthylgie			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 10,000 10,000 10,000 10,000 10,000 10,000 NA NA 10,000 NA NA 10,000 NA NA 10,000 NA NA 10,000 NA NA 10,000 NA 100,000 NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-Chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti-ane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyteopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Trichlorophenol 2,5-Dinitrotoluene Accenaphthylene Dimethyl phthalate Accenaphthylene 2,6-Dinitrotoluene Accenaphthylene 2,6-Dinitrotoluene Accenaphthylene			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 S0,000 NA NA 10,000 68,000 1,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol big(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti:ane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dinchlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachloroctivane Nexachloroctivane Naphthalene 4-Chloroaniline Hexachlorobuxadiene big(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene big(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene Dimetryl phthalate Acenaphthylene 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2,4-Dinitrophenol			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 10,000 10,000 10,000 10,000 10,000 NA 10,000 NA 10,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-Chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti-ane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorocti-ane Nitrobenzene Naphthalene 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocti-complemol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Accnaphthylone 2,6-Dinitrotoluene Accnaphthene 2,4-Dinitrophenol 4-Nitrophenol			\$600 \$600 \$600 \$600 \$600 \$600 \$600 \$600		100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 10,000 100,000 100,000 NA 10,000 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol big(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dindhylphenol 2,4-Dindhylphenol 2,4-Dindhylphenol 2,4-Dindhylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroanilline Hexachlorobuxaldiene bis(2-Chlorothoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorobyladiene bis(2-Chlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dindhylphenol 2-Chloronaphthalene Dimetryl phthalate Dimetryl phthalate Accnaphthylene 2,6-Dinitrotolucne 2,6-Dinitrotolucne 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitrotolucne 6-Cryphthalate			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA 10,000 1
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocthane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chlorosanlline Hexachlorobutadiene bis(2-Chlorocthany)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dinitrotoluene Acenaphthylene 2,6-Dinitrotoluene Acenaphthylene 2,4-Dinitrophenol 3,4-Dinitrophenol 4,4-Dinitrophenol			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 10,000 100,000 100,000 NA 1,000 100,000 NA 1,000 100,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol big(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachloroethane big(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorobytadiene big(2-Chlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,6-Dinitrotoluce Dimethyl phthalate Accasphitylene 2,6-Dinitrotoluce Accasphithene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitrotolucene Cichylphthalate 4-Chlorophenyl-phenylether Fluorane 4-Chlorophenyl-phenylether Fluorane 4-Chlorophenyl-phenylether			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 NA 100,000 NA 1
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocthane Nitrobenzene Isophorone 2-Nitrophenol 2-A-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroanlline Hexachlorobutadiene bis(2-Chlorocthany)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylone 2,4-Dinitrotoluene Acenaphthylone 2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrophenol 4-Nitrophenol 4-Chlorophenyl-phenylether Finorme 4-Chlorophenyl-phenylether Finorme 4-Chlorophenyl-phenylether Finorme 4-Chlorophenyl-phenylether Finorme			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 10,000 100,000 100,000 NA 1,000 100,000 NA 1,000 100,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol big(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachloroethane big(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorobytadiene big(2-Chlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,6-Dinitrotoluce Dimethyl phthalate Accasphitylene 2,6-Dinitrotoluce Accasphithene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Dinitrotolucene Cichylphthalate 4-Chlorophenyl-phenylether Fluorane 4-Chlorophenyl-phenylether Fluorane 4-Chlorophenyl-phenylether			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 660 6,000 10,000 50,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 10,000 NA 1,000 10,000 NA 1,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-Chloroisoproyyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Tichlorobenzene Naphthalene 4-Chloro-anlline Hexachloroethane Nitrobenzene Isophorone 2,4-Dichlorophenol 1,2,4-Tichlorobenzene Naphthalene 4-Chloro-anlline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopenadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dichlorophenol 2-Chloronsphthalene Dimethyl phthalate Acenaphthylene 2,4-Dinitrotoluene Acenaphthylene 2,4-Dinitrophenol 4,4-Dinitrophenol		\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		100,000 100,000 100,000 2,800,000 10,000 2,800,000 660 6,000 NA NA 10,000 68,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 NA 100,000 10,000 NA 100,000 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 100,000 NA 1000 NA 100,000 NA	
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-Chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti-ane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocylopentadiene 2,4-5-Trichlorophenol 2,4-5-Trichloroph			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 660 6,000 10,000 50,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 10,000 NA 1,000 NA
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-Chloroisoproyyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocthane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Tichlorobenzene Naphthalene 4-Chloroanlline Hexachlorocthane Naphthalene 4-Chlorochlorophenol 1,2,4-Tichlorobenzene Naphthalene 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene bis(2-Chlorocthoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylone 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 1,1-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Fluorone 4-Gonitro-2-methylphenol N-Nitrosodiphenyl-phenylether Hexachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Di-n-butylphthalate			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		100,000 100,000 100,000 2,800,000 10,000 2,800,000 660 6,000 NA NA 10,000 68,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 NA 100,000 00,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-Chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti:ane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dindorophenol 1,2,4-Trichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocylopentadiene 2,4-Dinthophenol 2,4-Dinthophen			\$00U \$00U \$00U \$00U \$00U \$00U \$00U \$00U		100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 30,000 10,000 10,000 10,000 10,000 100,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol big(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorochiane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorochiany big(2-Chlorochiany)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene big(2-Chlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,6-Dinitrotolucne Acenaphthylene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrosodiphenyl-phenylether Fluorane 4-Bromophenyl-phenylether Hexachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Phyrne			\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		100,000 100,000 100,000 2,800,000 10,000 2,800,000 660 6,000 NA NA 10,000 68,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000 10,000 NA 100,000 00,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-Chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti:ane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dindorophenol 1,2,4-Trichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocylopentadiene 2,4-Dinthophenol 2,4-Dinthophen			\$600 \$6		100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 30,000 NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 1,000 N
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti-ane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dinchlyphenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorocthoxylmethane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocthoxylmethane 4-Chloro-3-methylphenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2,4-5-Trichlorophenol 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2,4-Dinitrotoluene 2,5-Dinitrotoluene 2,5-Dinitrotoluene 2,6-Dinitrotoluene			\$600 \$6		100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 2,800,000 10,000 30,000 NA NA 10,000 100,000 NA 100,000 100,
1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol bis(2-chloroisopropyl)ether 4-Methylphenol N-Nitroso-di-n-propylamine Hexachlorocti:ane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dindorophenol 1,2,4-Trichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyteopentadiene 2,4-Dintrophenol 2,4-Dintrophe			\$600 \$6		100,000 100,000 100,000 2,800,000 10,000 2,800,000 10,000 50,000 NA 10,000 100,000 NA 100,

.:

Sample ID: SHI-1-95-C-6.7	T	T		1	
Sample ID: SHI-1-95-C-6.7 Lab ID: SHI1C6 Sampling Date: 5/3/95			Method Detection Limit	Result	Bulk Sediment Criteria
Benzo(b)fluoranthene	Date Extracted	Date Analyzed	ug/kg DW 500U	ug/kg DW	ug/kg 900
Berzo(k)fluoranthene		 	5000	 	900
Benzo(a)pyrene (BaP)		 	300U	300 J	230
Indeno(1,2,3-cd)pyrene	·		3000		900
Dibenz(a,h)anthracene		1	500U		31
Benzo(g,h,i)perylene			500U		NA
N-nitrosodimethylamine			5000U		NA
Benzidine			50000		NA
1,2-Diphenylhydrazine		<u> </u>	5000U	<u> </u>	NA NA
Berzyi Alcohol			5000	 	50,000
PESTICIDES/PCBS (SW846 8080):	 	 			
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/24/95		ļ	
alpha-BHC	77.7.7.7		12U		NA
beta-BHC			12U		NA
delta-BHC			12U		NA
gamma-BHC (Lindane)			120		320
Heptachlor			120		150
Aldrin			12U		40
Heptachlor Epoxide	_	ļ	120		NA CO COO
Endosulfan I Dieldrin	 		12U 24U	ļ. <u> </u>	30,000
4,4'-DDE		 	240	· · · · · · · · · · · · · · · · · · ·	2,000
Endon		 	240		42
Endosulfan II		 	240		50,000
4,4'-DDD (p,p'-TDE)	1	 	24Ŭ		3,000
Endosulfan Sulfate			24 Ü		50,000
4,4'-DDT			240		2,000
Methoxychlor			120U		30,000
Endrin Ketone			24U		NA NA
Endrin Aldehyde			24U		NA NA
alpha-Chlordane			120		NA
gamma-Chlordane			12U	<u> </u>	NA
Mirex Toxaphene		<u> </u>	24U 240U		NA 100
Aroclor-1016	_		120U		29
Aroclor-1016 Aroclor-1221			1200		29
Aroclor-1221 Aroclor-1232	· 	 	120U		29
Aroclor-1242			1200		29
Aroclar-1248			120U		29
Aroclor-1254			120U		29
Aroclor-1260			120U		29
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Antimony	an except rig	an excepting		700 BN	14,000
Arsenic				5.700 N	8,000
Barium				73,300	700,000
Beryllium			30U		1,000
Cadmium	1			110 B	1,000
Chromium				23,600	33,000
Соррег	ļ			8,000	28,000
Lead			15011	7,000	21,000
Mercary Nickel		<u> </u>	150U	15.600	100 20,900
Selenium	 -			15,600 370 B	63,000
Silvæ	1	<u> </u>		160 BN	500
Thallium	 			1100	
Vanadium	 	· · · · · · · · · · · · · · · · · · ·		22,700	2,000 370,000
Zinc				40,900	68,000
DIODCIATOR OTHER CO. II. I	 	I			
INORGANICS - OTHER Results in mg/kg DW):	ł	5/10/05 5/27F	ļ	42 ~~	MA
Total Organic Carbon (LOI) Cyanide	 	5/19/95, 5/23/95 5/13/95, 5/16/95	0.30	42,000	NA 1,100
Moisture, in Percent	 	J. 13173, J. 10173		33.00	NA NA
GRAIN SIZE:	1 1		Ì	į.	
Results in % Recovery	<u> </u>	5/26/95, 5/27/95			
Sieve #4	<u> </u>			0.0	
Sieve #10	 		·	0.0	
Sieve #40 Sieve #200	 	/·		4.2	····
SICTE #200	- 			30.5	
Results in Relative %	† 				
Silt	 			49.9	
Clay	 			15.3	
And a commence of the commence					

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

• - Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

ample ID: SIII-2-95-C-0.0 ab ID: SIII2C0 ampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
OLATILE ORGANICS (SW846 8240):					
olding time: 14 days		5/9/95			
retone crolein		<u> </u>	20U 200U		100,000 NA
crylonitrile			2000	 	1,000
inzene			20U		1,000
romodichloromethane romoform		ļ	20U 20U	ļ	1,000
romomethane			20U		1,000
Butanone (MEK)			20U		30,000
arbon Tetrachloride Chloroethylvinylether			20U 20U	<u> </u>	1,000 NA
lorobenzene			20U		1,000
nloroethane			20U		NA 1 0000
nloroform nloromethane		 	20U 20U		1,000
2-Dichloropropane 1-Dichloroethane			20U		10,000
I-Dichloroethane			20U		10,000
-Dichloroethane -Dichloroethene			20U 20U		1,000 8,000
bromochloromethane			20U		1,000
2-trans Dichloroethylene			20U		50,000
2-cis Dichlorochene			20U		1,000
s-1,3-Dichloropropene ns-1,3-Dichloropropene			20U 20U	 	1,000
hylbenzene			20U		100,000
lexanone			20U		NA (NA
Methyl-2-Pentanone (MIBK) ethyl-ne Chloride		ļ	20U 20U	6.3	50,000 1,000
rene			20U	 	23,000
trachloroethylene			20U		1,000
,2,2-Tetrachloroethane luene			20U 20U		1,000 500,000
luene 1-Trichloroethane			20U		50,000
,2-Trichloroethane			20 U		1,000
ichloroethene (TCE)			20U 20U		1,000
nyl Chloride lenes (Total)			20U		10,000
,1,2-Tetrachloroethane			20U		1,000
olding time: 14 days to extract, 40 days to analyze enol (2-chloroethyl)ether 2-chlorophonol	05/09/95	05/22/95	650U 650U 650U		50,000 660 10,000
enol (2-chloroethyl)ether Chlorophenol -Dichlorobenzene -Dichlorobenzene	05/09/95	05/22/95	650U 650U 650U 650U 650U		660 10,000 100,000 100,000
enol (2-chloroethyl)ether Thlorophenol -Dichlorobenzene -Dichlorobenzene	05/09/95	05/22/95	650U 650U 650U 650U 650U 650U 650U		660 10,000 100,000 100,000 50,000 2,800,000
enol (2-chloroethyl)ether Zhlorophenol Dichlorobenzene I-Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether	05/09/95	05/22/95	650U 650U 650U 650U 650U 650U 650U 650U		660 10,000 100,000 100,000 50,000 2,800,000 10,000
enol (2-chloroethyl)ether Thlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	150 J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000
enol (2-chloroethyl)ether 2-hlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine xachloroethane	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	150 J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000
enol (2-chloroethyl)ether 2hlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine xachloroethane robenzene	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	150 J	660 10,000 100,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000
enol (2-chloroethyl)ether (2-chloroethyl)ether -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine xachloroethane Irobenzene	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	150 J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000
enol (2-chloroethyl)ether 2hlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Methylphenol (2-chloroisopropyl)ether	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	150 J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 660 6,000 10,000 50,000 NA
enol (2-chloroethyl)ether (3-chloroethyl)ether (3-chlorobenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine xachloroethane rrobenzene phorone litrophenol -Dimethylphenol -Dimethylphenol	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	150 J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA
enol (2-chloroethyl)ether (2-chloroethyl)ether -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine xachloroethane robenzene phorone Nitrophenol -Dimethylphenol -Dimethylphenol -Dichlorophenol -A-Trichlorobenzene	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	150 J	660 10,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000
enol (2-chloroethyl)ether Thlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine xachloroethane trobenzene phorone Nitrophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol -Dirchlorophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol -Dirchlorophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U		660 10,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 10,000 230,000
enol (2-chloroethyl)ether (2-chloroethyl)ether -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitrosc-di-n-propylamine xachloroethane robenzene phorone litrophenol -Dimethylphenol -Dichlorophenol -Dichlorobenzene phthalene -Thoroamiline sachlorobutadiene	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000
enol (2-chloroethyl)ether Thlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine xachloroethane trobenzene phorone Nitrophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol -Dirchlorophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol -Dirchlorophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol -Dichlorophenol	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 50,000 2,800,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 10,000 230,000
enol (2-chloroethyl)ether (2-chloroethyl)ether -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine xachloroethane robenzene phorone Nitrophenol -Dimethylphenol -Dimethylphenol -Dichlorophenol -A-Trichlorobenzene philialene -bloroaniline xachloroebutadiene (2-Chloroethoxy)methane -thloro-3-methylphenol (p-chloro-m-cresol) yachloroey-lonentadiene	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 1,000 NA
enol (2-chloroethyl)ether (3-chlorobenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Methylphenol (2-chloroisopropyl)ether	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 10,000 68,000 10,000 230,000 NA NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000
enol (2-chloroethyl)ether (2-chloroethyl)ether -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine xachloroethane robenzene phorone Nitrophenol -Dimethylphenol -Dimethylphenol -Dichlorophenol -A-Trichlorobenzene philialene -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxyymethane -Noronaniline xachloroethoxylopentadiene -Trichlorophenol -Trichlorophenol -Trichlorophenol	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 10,000 2,800,000 10,000 2,800,000 10,000 50,000 NA NA NA 10,000 68,000 100,000 230,000 NA 100,000 1,000 NA 100,000 10,000 NA 100,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
enol (2-chloroethyl)ether (3-chloropenol (2-chlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine wachloroethane robenzene phorone litrophenol -Dimethylphenol -Dichlorobenzene phorone -Dichlorobenzene pholialene -Chloroethowymethane -Chloroethowymethane -Chloroethowymethane -Chloro-3-methylphenol (p-chloro-m-cresol) wachlorocyclopentadiene -S-Trichlorophenol -S-Trichlorophenol -S-Trichlorophenol -S-Trichlorophenol -S-Trichlorophenol -S-Trichlorophenol -S-Trichlorophenol -S-Trichlorophenol -S-Trichlorophenol -Dironaphthalene	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 110,000 2,800,000 110,000 2,800,000 10,000 50,000 NA NA 10,000 68,000 100,000 230,000 NA 100,000 100,000 100,000 NA NA 100,000 NA NA 100,000 NA NA 100,000 NA NA 100,000 NA NA 100,000 NA
enol (2-chloroethyl)ether Thlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine vachloroethane rrobenzene phorone litrophenol -Dimethylphenol -Dimethylphenol -Dichlorophenol -A-Trichlorobenzene philalene -Thloroaniline vachloroethuxy)methane -Thloroaniline vachloroethuxy)methane -Thloroaniline	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA NO 10,000 10,000 10,000 10,000 NA NO 100,000 NA NO 100,000 NA NO NO NO NO NO NO NO NO NO NO NO NO NO
enol (2-chloroethyl)ether (3-chloroethyl)ether (3-chlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Methylphenol (2-chloroisopropyl)ether -Methylphenol Nitroso-di-n-propylamine	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 10,000 6660 6,000 10,000 NA NA 10,000 230,000 100,000 100,000 100,000 100,000 NA NA 100,000
enol (2-chloroethyl)ether (3-chloroethyl)ether (3-chlorobenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine vaschloroethane rrobenzene phorone litrophenol -Dimethylphenol -Dimethylphenol -Dichlorophenol -A-Trichlorobenzene philalene -Thoroaniline vaschlorobutadiene (2-Chloroethuxy)methane -Thoroaniline vachlorocylopenol -S-Trichlorophenol -Tirichlorophenol -S-Trichlorophenol -Tirichlorophenol	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 NA NA NO 10,000 100,000 10,000 10,000 NA 100,000 10,000 NA 100,000 10,000 NA 100,000 10,000
enol (2-chloroethyl)ether	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 10,000 6660 6,000 10,000 NA NA 10,000 230,000 100,000 100,000 100,000 100,000 NA NA 100,000
enol (2-chloroethyl)ether	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA NO 10,000 100,000 100,000 10,000 NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 50,000 NA 1,000 16 10,000 16 10,000 16 10,000 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18
enol (2-chloroethyl)ether -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorosopropyl)ether	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA NA 10,000 230,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 50,000 NA 10,000 16 10,000 NA 1,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA
enol (2-chloroethyl)ether Thlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorophenol -Direthylphenol -Dimethylphenol -Dichlorophenol -Dichlorophenol -Dichlorobenzene -Dinlorobenzene -Dinlorophenol -Dinlorophenol -Dinlorobenzene -Dinlorobenze	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA NO 10,000 100,000 100,000 10,000 NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 50,000 NA 1,000 16 10,000 16 10,000 16 10,000 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18
enol (2-chloroethyl)ether -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dimethylphenol -Dimethylphenol -Dimethylphenol -Dimethylphenol -Dichlorophenol -Dichlorophenol -Dichlorobenzene -D	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 NA NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 10,000 NA 10,000 NA 10,000 NA 10,000 NA 1,000
enol (2-chloroethyl)ether (3-chlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichloroethane	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 10,000 6660 6,000 10,000 50,000 NA NA 10,000 230,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 NA 100,000 NA 100,000 NA 1,000 NA
enol (2-chloroethyl)ether (3-chloroethyl)ether (3-chlorobenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Methylphenol (1-chloroisopropyl)ether -Methylphenol Nitroso-di-n-propylamine	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 1	660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 550,000 NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 NA
enol (2-chloroethyl)ether (2-chloroethyl)ether (3-chlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine wachloroethane robenzene phorone Nitrophenol -Dimethylphenol -Dimethylphenol -Dimethylphenol -Dichlorobenzene phlilaiene -hloroaniline wachloroethane -chloroaniline -chloroethoxy)methane -hloro-3-methylphenol (p-chloro-m-cresol) wachlorocyclopentadiene -5-Trichlorophenol -5-Trichlorophenol -5-Trichlorophenol -bloroanphlhalene -methyl phhalate enaphthylcne -Dimitrotoluene -maphthene -Dimitrotoluene -maphthene -Dimitrotoluene -maphthene -Dimitrotoluene -maphthene -Dimitrotoluene -maphthene -Dimitrotoluene -maphthene -Dimitro-2-methylphenol -Dimitro-2-methylphenol	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 J 100 J	660 10,000 100,000 100,000 50,000 10,000 2,800,000 10,000 660 6,000 10,000 50,000 NA NA 10,000 230,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000 100,000 NA
enol (2-chloroethyl)ether Thlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Methylphenol (2-chloroisopropyl)ether -Methylphenol Nitroso-di-n-propylamine	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	210 J 71 J	660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA NA NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 100,000
enol (2-choroethy]ether (2-choroethy]ether -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropy]ether Methylphenol (3-chloroisopropy]ether Methylphenol Nitroso-di-n-propylamine sachloroethane trobenzene phorone Nitrophenol -Dimethylphenol -Dimethylphenol -Dichlorophenol -A-Trichlorobenzene philaiene -Tholroraniline sachlorobutudiene (2-Chloroethoxy)methane -Thoro-3-methylphenol (p-chloro-m-cresol) sachlorocyclopentadiene (3-Trichlorophenol -Trichlorophenol -Trichlorophenol -Trichlorophenol -Dinitrotoluene enaphthylene -Dinitrotoluene enaphthylene -Dinitrotoluene enaphthylene -Dinitrotoluene enaphthylene -Dinitrotoluene -Dinitrotoluene -Dinitrotoluene -Dinitrotoluene -Dinitro-2-methylphenol Nitrosodiphenyl-phenylether orene -Dinitro-2-methylphenol Nitrosodiphenyl-phenylether sachlorobenzene tachlorobenzene tachlorobenzene tachlorobenol nanthrene hracene -betyl-phthalate	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	94 J 100 J	660 10,000 100,000 100,000 50,000 10,000 2,800,000 10,000 660 660 6,000 10,000 50,000 100,000 230,000 100,000 230,000 100,000
enol (2-chloroethyl)ether Thlorophenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Methylphenol (2-chloroisopropyl)ether -Methylphenol Nitroso-di-n-propylamine	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	210 J 71 J	660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 550,000 NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000
enol (2-choroethy]ether (2-choroethy]ether -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropy]ether Methylphenol (3-chloroisopropy]ether Methylphenol Nitroso-di-n-propylamine Methylphenol Nitroso-di-n-propylamine Methylphenol -Dimethylphenol -Dimethylphenol -Dimethylphenol -Dimethylphenol -Dichlorophenol -4-Trichlorobenzene philailene -Rioroaniline Machlorobendene (2-Chloroethoxy)methane -Rioro-aniline Machlorocytlopenol -5-Trichlorophenol -5-Trichlorophenol -5-Trichlorophenol -1-Trichlorophenol 09/95		650U 650U 650U 650U 650U 650U 650U 650U	210 J 71 J 130 J 360 J	660 10,000 100,000 100,000 50,000 2,800,000 10,000 2,800,000 660 6,000 10,000 50,000 NA 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 100,000	
enol (2-chloroethyl)ether (2-chloroethyl)ether (3-chlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dichloroethane -Torobenzene -Dimethylphenol -Dichlorophenol -Dichlorophenol -Dichlorobenzene -Dinlorobenzene -Dinlorophenol -S-Trichlorophenol -S-Trichlorophenol -Dinlorobenzene -D	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	210 J 71 J 130 J 380 J	660 10,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 550,000 NA 10,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000 NA 18 18 100,000
enol (2-chloroethyl)ether (2-chloroethyl)ether (3-chlorobenol -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene Methylphenol (2-chloroisopropyl)ether Methylphenol Nitroso-di-n-propylamine wachloroethane robenzene phorone Nitrophenol -Dimethylphenol -Dimethylphenol -Dimethylphenol -Dichlorobenzene phlilaiene chloroaniline wachloroethane chloroaniline dachloroethousymethane -Horoaniline sachloroethousymethane -Horoaniline -Dinitrophenol -Trichlorophenol -Trichlorophenol -Trichlorophenol -Trichlorophenol -Trichlorophenol -Dinitrotoluene enaphthylene -Dinitrotoluene enaphthene -Dinitrotoluene -Dinitrotoluene -Dinitrotoluene -Dinitrotoluene -Dinitro-2-methylphenol -Dinitrotoluene -Dinitro-2-methylphenol -Dinitro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritrosoulene -Dinitro-2-methylphenol -Diritrosoulene -Diritro-2-methylphenol -Diritrosoulene -Diritro-2-methylphenol -Diritrosoulene -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol -Diritro-2-methylphenol	05/09/95		650U 650U 650U 650U 650U 650U 650U 650U	210 J 71 J 130 J 360 J	660 10,000 100,000 100,000 100,000 50,000 2,800,000 660 6,000 10,000 50,000 NA 10,000 NA 100,000 10,000 NA 100,000 10,000 NA 100,000 NA 100,000 NA 100,0000 NA 100,

Sample ID: SIII-2-95-C-0.0		· ·			
Lab ID: SIII2C0			Method Detection		Bulk Sediment
Sampling Date: 5/3/95			Limit	Result	Criteria
Benzo(b)Iluoranihene	Date Extracted	Date Analyzed	ug/kg DW 650U	ug/kg DW 210 J	ug/kg 900
Benzo(k)fluoranthene	 	 	6500	200 j	900
Benzo(a)pyrene (BaP)			650U	190 J	230
Indeno(1,2,3-ed)pyrene Dibenz(a,h)anthracene			650Ŭ		900
Dibenz(a,h)anthracene	- 	!	650U		31
Benzo(g.h,i)perylene N-nitrosodimethylamine	-{	 	650U 6500U		NA NA
Benzidine			6500U	 	NA NA
1,2-Diphenylhydrazine		 	6500U	 	NA NA
Benzyl Alcohol		1	650U		50,000
PESTICIDES/PCBS (SWB46 8080):					-
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/24/95			
alpha-BIIC			31U		NA
beta-BliC			31U		. NA
delta-BHC	<u> </u>		310		NA
gamma-BHC (Lindane)		ļ	310		520
Heptachlor Aldrin		ļ	31U 31U	 	150 40
Heptachlor Epoxide			310	 	NA NA
Endosulfan I .		 	310	 	50,000
Dieldrin	1	<u> </u>	63U		11
4,4-DDE			63U	81	2,000
Endrin			63U		42
Endosulfan II			63U		50,000
4.4-DDD (p.p-TDE) Endosulfan Sulfate	- 	 	63U 63U	 	3,000 50,000
4.4'-DDT	+	 	63U	 	2,000
Methoxychlor		 	3100	 	50,000
Endrin Ketone			63U	1	ŇA
Endrin Aldehyde			63U		NA
alpha-Chlordane			310		NA
gamma-Chlordane			31U		NA NA
Mirex		<u> </u>	630	 	NA NA
Toxaphene Arucior-1016		ļ	630U 310U	 	100
Aroclor-1221			3100	 	29
Aroclor-1232		 	3100	 	29
Aroclor-1242	 		3100	li	29
Aroclor-1248			310U		29
Aroclor-1254			3100	11 et la 210 J . (4)	29
Aroclor-1260			310U		29
					
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95		i i	
Holding time: 6 months (Hg 14 days)	all except lig	all except Hg			
Antimony				1,900 BN	14,000
Arsenic				13,100 N	8,000
Barium . Beryllium	 		30U	135,000	700,000 1,000
Cadmium	-	<u> </u>	300	: ac: 2,900;	1,000
Chromium		1		94,800	33,000
Соррег				72,200 -, 11	28,000
Lead	Finance during	(to 2 to (1 to) :		95,600	21,000
Mercury Nickel	3/22/95, 5/23/95	5/22/95, 5/24/95		640 29,800	100
Selenium	 	l		1.000	20,900 63,000
Silver	 			1,000 2,000 N	500
Thallium	1			1,600	2,000
Vanadium				82,200	370,000
Zinc				341,000	68,000
	ļ				
INORGANICS - OTHER (Results in mg/kg DW):	1			l l	
Total Organic Carbon (LOI)	_	5/19/95, 5/23/95	6.51	66,373	NA NA
Cyanide Moisture, in Percent	- 	5/13/95, 5/16/95	0.50	49.00	1,100 NA
moistant, iii Felteik	1			77.00	
CDAIN SIZE.	+			 	
GRAIN SIZE: Results in % Recovery	1	5/26/95, 5/27/95	•		
Sieve #4	· · · · · · · · · · · · · · · · · · ·	J. 200 J.J., J. 20193		0.0	
Sieve #10	1			0.0	
Sieve #40				1.2	
Sieve #200				19.6	
Results in Relative %	-	_			
Silt Clay			· · · · · · · · · · · · · · · · · · ·	64.9 14.2	
Ciny	 	<u>-</u>		14.4	

...

Definitions:

NA - Not Available

ug kg - micrograms per kilogram, parts per billion

mg kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

* - Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: SHI-2-95-C-5.1 Lab ID: SHI2C5 Sampling Date: 5/3/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days	-	5/8/95	120		100,000
Acrolein	 		1200		NA.
Acrylonitrile			120U 12U		1,000
Benzene Bromodichloromethane	 		12 U		1,000
Bromoform			12U 12U		1,000
Bromomethane 2-Butanone (MEK)	 		12U		50,000
Carbon Tetrachloride			12U 12U		1,000 NA
2-Chloroethylvirrylether Chlorobenzene			120		1,000
Chloroethane			120		NA 1,000
Chloroform Chloromethane			12U		10,000
1,2-Dichloropropane 1,1-Dichloroethane			12U 12U		10,000
1,2-Dichloroethane			120		1,000
1,1-Dichloroethene Dibromochloromethane	 		120		8,000 1,000
1,2-trans Dichloroethylene			120		50,000
1,2-cis Dichloroethene cis-1,3-Dichloropropene			12U 12U		1,000
trans-1,3-Dichloropropene			120		1,000
Ethylbenzene 2-Hexanone			12U 12U		100,000 NA
4-Methyl-2-Pentanone (MIBK)			12U		50,000
Methylene Chlonde			12U 12U	8 JB	1,000
Styrene Tetrachloroethylene	 		120		1,000
1,1,2,2-Tetrachloroethane			12U 12U		1,000 500,000
Toluene 1,1,1-Trichloroethane	 		120		30,000
1,1,2-Trichloroethane			12Ü 12U		1,000
Trichloroethene (TCE) Vinyl Chloride	 		120		2,000
Xylenes (Total)			120		10,000
1,1,1,2-Tetrachloroethane			12U		1,000
SEMIVOLATILE ORGANICS (SW846 8270):					
Holding time: 14 days to extract, 40 days to analyze Phenol	05/09/95	05/25/95	400U		50,000
bis(2-chloroethyl)ether			400U		660
2-Chlorophenol 1.3-Dichlorobenzene			400U 400U		10,000
1,4-Dichlorobenzene			400U		100,000 50,000
1,2-Dichlorobenzene 2-Methylphenol			400U 400U		2,800,000
bis(2-chloroisopropyl)ether			400U		10,000
4-Methylphenol N-Nitroso-di-n-propylamine			400U 400U		660
Hexachloroethane			400U		6,000 10,000
Nitrobenzene Isophorone			400U . 400U		50,000
2-Nitrophenol			400U		NA NA
2,4-Dimethylphenol 2,4-Dichlorophenol	<u> </u>		400U 400U		NA 10,000
1,2,4-Trichlorobenzene			400U		68,000 100,000
Naphthalene 4-Chloroanitine			400U 400U		230,000
Hexachlorobutadiene			400U		1,000
bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			400U 400U		NA 100,000
Hexachlorocyclopentadiene			400U		100,000
2,4,6-Trichlorophenol 2,4,5-Trichlorophenol			400U 2000U		10,000 50,000
2-Chloronaphthalene			400Ü		ÑΑ
Dimethyl phthalate Acenaphthylene			400U 400U		50,000 44
2,6-Dinitrotoluene			400U		1,000
			400U		16 10,000
Accessphihene 2.4-Dinitrophenol			2000U		
2,4-Dinitrophenol 4-Nitrophenol			2000U 2000U		ÑA
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene			2000U		
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotohuene Diethylphthalate 4-Chlorophenyl-phenylether			2000U 2000U 400U 400U 400U		NA 1,000 50,000 NA
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene			2000U 2000U 460U 400U		NA 1,000 50,000 NA 18 NA
2.4-Dinitrophenol 4-Nitrophenol 2.4-Dinitrophenol 2.4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4.6-Dinitro-2-methylphenol N-Nitrosodiphenylamine			2000U 2000U 400U 400U 400U 400U 2000U 400U		NA 1,000 50,000 NA 18 NA 100,000
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrotohuene Dichylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether			2000U 2000U 4(0)U 400U 400U 400U 2000U 400U 400U 400U 40		NA 1,000 50,000 NA 18 NA 100,000 NA 660
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol			2000U 2000U 400U 400U 400U 400U 2000U 400U 4		NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrotohuene Dichylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentschlorophenol Phenanthrene			2000U 2000U 400U 400U 400U 400U 2000U 400U 4		NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentschlorophenol Phenanthrene Anthracene Di-n-burylphthalate			2000U 2000U 400U 400U 400U 400U 2000U 400U 4		NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrotohuene Dichylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene			2000U 2000U 400U 400U 400U 400U 2000U 400U 4		NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentschlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene Pyrene Butylbenzylphthalate			2000U 2000U 400U 400U 400U 400U 400U 400		NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000
2,4-Dinitrophenol 4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-burylphthalate Fluoranthene Pyrene Burylpenzylphthalate 3,3-Dichlorobenzidine			2000U 2000U 400U 400U 400U 400U 400U 400		NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrotohuene Dichylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Hexachlorophenyl-phenylether Hexachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoramhene Pyrene Butylbenzylphthalate Butylbenzylphthalate Benzo(a)anthracene			2000U 2000U 400U 400U 400U 400U 400U 400		NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000 160 220
2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2,4-Dinitrophenol Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bromophenyl-phenylether Herschlorobenzene Pentschlorophenol Phenanthrene Anthracene Di-n-burylphthalate Fluoranthene Pyrene Byrene Burylbenzylphthalate 3,3-Dichlorobenzidine			2000U 2000U 400U 400U 400U 2000U 400U 40	47]	NA 1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000 160

market of a

- Maryan Chara-

				,	,,
Sample ID: SHI-2-95-C-5.1 Lab ID: SHI2C5		1	16-12-27	j l	D 11. C 11 .
Sampling Date: 5/3/95			Method Detection Limit	Result	Bulk Sediment Criteria
banpara Date: 35/75	Date Francisco	Date Analyzed	ne/ke DW	ne/ke DW	ug/kg
Benzo(b) fivoranthene	Date Extracted	IVALE ATTAINZED	4000	BE/KE DW	900
Benzo(k)fluoranthene			4000	 	900
Benzo(a)pyrene (BaP)			400U	53 J	230
Indeno(1,2,3-cd)pyrene		1	400U		900
Dibenz(a,h)anthracene			4000		31
Bazzo(g,h.i)paylane		<u> </u>	400U		
N-nitrosodimethylamine		 	4000U		<u> </u>
Benzidine 1.2-Diphenylhydrazine			4000U	<u> </u>	NA.
Benzyl Alcohol		 	4000U 400U		NA 50,000
Berzyl Alconol		 	4000	 	30,000
		 	<u> </u>		
PESTICIDES/PCBS (SW846 8080):	l l	ł			
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/14/95			
alpha-BHC			100		NA
beta-BHC		ļ	100		NA
del's-BHC		ļ	10U		NA.
ganima-BHC (Lindane) Heptachlor	- 	 	100		520
Aldrin		 	100	 	150 40
Heptachlor Epoxide		 	100		NA.
Endosulfan I	 	1	100		50,000
Dieldrin	1	1	190		11
4,4'-DDB Endrin		1	19U		2,000
		L	190		42
Endosulfan II			19U		50,000
4,4'-DDD (p,p'-TDE)			190		3,000
Endosulfan Sulfate	+	<u> </u>	190		50,000
4,4'-DDT		<u> </u>	19U		2,000
Methoxychlor Endrin Ketone			95U 19U		50,000 NA
Endrin Alderyde			190		NA NA
alpha-Chlordane			100		NA NA
gamma-Chlordane		 	100		NA NA
Mirex			190	-	NA NA
Toxaphene			190U		100
Aroclar-1016			95U		29
Aroclor-1221			95U		29
Aroclor-1232			950		29
Aroclor-1242			950		29
Aroclor-1248			95U		29
Aroclor-12-4 Aroclor-12-0			95U		29
Aroclor-12o0		ļ	950		29
INORGANICS - TOTAL METALS (STY846 6000/7000):	5/16/95	5/18/95, 5/24/95			
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg			
Antimony			400U	400 UN	14,000
Arsenic				1,100 N	8,000
Barium				14,000 B	700,000
Beryllium				50 B	1,000
Cadmium	 		30U		1,000
Chromium	 			5,000 1,200 B	33,000
Copper Lead	 -	i		1,200 B	28,000 21,000
Mercury	5/22/95, 5/23/95	50205 50405	1200	1,600	100
Nickel	312433,3123193	ا دوسعاد ودوسعاد	1200	3,900 B	20,900
Selenium	1	I	2300	2200 5	63,000
Silver	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	700	70 UN	300
Thallium				600 B	4 644
Vanadium				5,900 9,600	2,000 370,000
Zinc		1		9,600	68,000
INORGANICS - OTHER (Results in me/kg DW):					
Total Organic Carbon (LOI)		5/19/95, 5/23/95	J	1,048	NA
Cyanide		5/13/95, 5/16/95	0.50		1,100
Moisture, in Percent				16.00	NA
GRAIN SIZE:					
Results in % Recovery	1	5/26/95, 5/27/95	ļ	1	
Sieve #4	I			0.0	
Sieve #10	<u> </u>			10.7	
Sieve #40				67.4	
Sieve #200				19.3	
Decutes in Polation 9/	 				
Results in Relative %	 				
	1			0.4	
Clay	 			2.2	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: SMII-1-95-C-0.0 Lab ID: SMIIICO Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Method Detection Limit ng/kg DW	Result ng/kg DW	Bulk Sediment Criteria ng/ke
VOLATILE ORGANICS (SW846 8240): Holding time: 14 days		5/10/95			
Acetone		3.70.22	160		100,000
Acrolein Acrylonitrile		 	160U 160U	 	1,000
Beizene			160		1,000
Bromodichloromethane			160		1,000 1,000
Bromoform Bromomethane		 	16U 16U		1,000
2-Butanone (MEK)			160		50,000
Carbon Tetrachloride 2-Chloroethylvinylether			16U 16U	<u></u>	1,000 NA
Chlorobenzene	- 	·	160		1,000
Chloroethane			16U 16U		NA 1,000
Chloroform Chloromethane	 -	 	160		10,000
1,2-Dichloropropane			160		10,000
1,1-Dichloroethane 1,2-Dichloroethane	- 	<u> </u>	16U 16U		10,000 1,000
1.1-Dichloroethene			160		8,000
Dibromochloromethane			16U		1,000
1,2-trans Dichloroethylene 1,2-cis Dichloroethene		<u> </u>	16U 16U		50,000 1,000
cis-1,3-Dichloropropene	 		16U		1,000
trans-1,3-Dichloropropene			16U		1,000
Ethylbenzene 2-Hexanone		 	16U 16U		100,000 NA
4-Methyl-2-Pentanone (MIBK)	<u></u>		. 160		50,000
Methylene Chloride			160	7.1	1,000
Styrene Tetrachloroethylene		 	16U 16U		23,000 1,000
1,1,2,2-Tetrachloroethane			16U		1,000
Tolucne			16U		500,000 50,000
1,1,1-Trichloroethane		 	16U		1,000
Trichloroethene (TCE)			16U		1,000
Vinyl Chloride			16U		2,000 10,000
Xylenes (Total) 1.1,1,2-Tetrachloroethane			160		1,000
Holding time: 14 days to extract, 40 days to analyze Phenol bis(2-chloroethyl)ether	05/09/95	05/26/95	540U 540U 540U		50,000 660 10,000
2-Chiorophenol 1.3-Dichlorobenzene		-	340U		100,000
1,4-Dichlorobenzene			540U		100,000 50,000
1.2-Dichlorobenzene 2-Methylphenol			540U 540U		2,800,000
bis(2-chloroisopropyl)ether			340U		10,000
4-Methylphenol N-Nitroso-di-n-propylamine			540U 540U		2,800,000 660
N-Miroso-di-n-propylamine Hexachloroethane			540U		6,000
Nitrobenzene			540U		10,000
Isophorone 2-Nitrophenol		 	540U	1	\$0.000
2,4-Dimethylphenol			5400		50,000 NA
2,4-Dichlorophenol		11	540U 540U		50,000 NA NA
			340U 340U		NA NA 10,000
1.2,4-Trichlorobenzene Naphilhalene			540U		NA NA
Naphthalene 4-Chloroaniline			540U 540U 540U 540U 540U 540U		NA NA 10,000 68,000 100,000 230,000
Naplithalene 4-Chloroaniline Hexachlorobutadiene			540U 540U 540U 540U 540U 540U 540U		NA NA 10,000 68,000 100,000 230,000 1,000
Naphthalene 4-Chloroamiline Hexachlorobutadiene bis(2-Chloroethoxy)methane			540U 540U 540U 540U 540U 540U 540U 540U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000
Naphthalene 4-Chleroaulline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000
Naphthalene 4-Chloroamiline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2-4,5-Trichlorophenol 2-Chloronaphthalene			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 50,000 NA
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol Dimethyl phthalate			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 10,000 NA NA 30,000
Naplithalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronsphthalene Dunethyl phthalate Acenaphthylene			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 50,000 NA
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Inidenenenenenenenenenenenenenenenenenene			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 NA 50,000 NA 50,000 44 1,000
Naplithalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.1.5-Trichlorophenol 2.5-Dimethyl plithalate Dimethyl plithalate Acciaphilhylene 2.6-Dinitrotoluene Acciaphilhene 2.4-Dinitrophenol			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 NA 50,000 NA 1,000 16 16 16 10,000
Naplithalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Initrotoluene Dunethyl phthalate Accuaphthylene 2.6-Dinitrotoluene Accuaphthene 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrotoluene			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 NA 50,000 44 1,000 16 10,000 NA 1,000 NA
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene Dunethyl phthalate Acenaphthylene 2,6-Dinitrotoluene Acenaphthene 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2-Chloronaphenol 4-Nitrophenol 2-Chlorotoluene 2-chloritrotoluene 2-chloritrotoluene			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 10,000 NA 50,000 NA 1,000 16 10,000 16 10,000 16 10,000 16 10,000 16 10,000 16 10,000 16 10,000 NA
Naplithalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.1-Chloronaphthalene Dimethyl phthalate Acenaphthylene 2.6-Dinitrotoluene Acenaphthene 2.4-Dinitrophenol 4-Nitrophenol 2.4-Dinitrophenol			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 50,000 44 1,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene Dunethyl phthalate Accaphthylene 2,6-Dinitrotoluene Accaphthene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,2-Dinitrotoluene 2,2-Dinitrotoluene 2,2-Dinitrotoluene 2,2-Dinitrotoluene 3,2-Dinitrotoluene 4-Chlorophenol 4-Nitrophenol 4-Nitrophenol 4-Chlorophenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 10,000 10,000 10,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,000
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Unitrosphthalene Dunethyl phthalate Accanphillylene 2.6-Dinitrotoluene Accanphillyene 2.4-Dinitrotoluene Accanphillyene 2.4-Dinitrotoluene			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 50,000 NA 1,000 16 10,000 18 NA 1,000 18 NA 1,000
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Drintrophenol 2,4-Drintrolucine Dunethyl phthalate Acciaphthylene 2,6-Dinitrolucine Acciaphthene 2,4-Dinitrolucine Acciaphthylene 2,4-Dinitrolucine Acciaphthylene 2,4-Dinitrolucine Acciaphthylenel 2,4-Dinitrolucine 2,4-Dinitrolucine 2,4-Dinitrolucine 2,4-Dinitrolucine 2,6-Dinitrolucine 2,6-Dinitrolucine 2,6-Dinitro-2-methylphenol 3,6-Dinitro-2-methylphenol 3,6-Dinitro-2-methylphenol 3,6-Dinitro-2-methylphenol 3-Nitrosodiphenyl-phenylether			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 10,000 10,000 10,000 NA 50,000 NA 1,000 16 10,000 NA 1,0
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Chloronaphthalene Dunethyl phthalate Accuaphthylene 2.6-Dinitrotolucue Accuaphthene 2.4-Dinitrotolucue Accuaphthylene 2.4-Dinitrotolucue			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 10,000 10,000 10,000 NA 30,000 NA 30,000 NA 1,
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4-Dinitrophenol 2.6-Dinitrooluene Dinethyl phthalate Accuaphthylene 2.6-Dinitrooluene Accuaphthylene 2.4-Dinitrooluene 3-4-Dinitrooluene 2.4-Dinitrooluene 2.4-Dinitrooluene 3-2-Dinitrotoluene 3-2-Dinitrooluene			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 NA 30,000 NA 30,000 NA 1,000 NA 1,000 16 17 18 NA 100,000 NA 18 NA 100,000 NA 6660 6,000 NA
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4-Dinitrophenol 2.6-Dinitrophenol 2.6-Dinitrotoluene Accuaphthylene 2.6-Dinitrotoluene Accuaphthylene 2.4-Dinitrotoluene 4-Chlorophenol 2.4-Dinitrotoluene 2.4-Dinitrotoluene 3-chliphenol			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U	110)	NA NA NA NA NA NA NA NA NA NA NA NA NA N
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4-Dinitrophenol 2.6-Dinitroluene Dinethyl phthalate Accuaphthylene 2.6-Dinitroluene Accuaphthene 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrotoluene 2.5-Dinitrotoluene 2.5-Din			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U	76 J	NA NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 NA 30,000 NA 30,000 NA 30,000 NA 1,000 NA 1,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000 NA 18 18 NA 100,000
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Initrooluene Dunethyl phthalate Dunethyl phthalate Accaphthylene 2.6-Dinitrotoluene Accaphthylene 2.4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 2.4-Dinitrotoluene 2.e-Initrotoluene 3.e-Initrooluene 3.e-Initrooluene 3.e-Initrooluene 4.6-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Fluorene 4,6-Dinitro-2-methylphenol N-Nitrosodiphenyl-phenylether Hexachlorophenol Phenanthene Partacliorophenol Phenanthene Di-n-butylphthalate Fluoranthene Pyrene			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U		NA NA NA NA NA NA NA NA NA NA NA NA NA N
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4-Dinitrophenol 2.6-Dinitrotoluene Dinethyl phthalate Accuaphthylene 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrotoluene puhylphthalate 4-Chlorophenyl-phenylether Fluorene 4.6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bronnophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthyene Anthracene Din-butylphthalate Fluoranthene Pyrtne Systylbenzylphthalate Fluoranthene Pyrtne Systylbenzylphthalate 3,3-Dichlorobenzioline			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U	76 J	NA NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 100,000 NA 50,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 100,000 NA 28 290 100,000 2,000
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Initrooluene Dinethyl phthalate Accuaphthylene 2.6-Dinitrooluene Accuaphthylene 2.4-Dinitrooluene Accuaphthylene 2.4-Dinitrooluen			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$540U	76 J	NA NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 10,000 10,000 10,000 10,000 10,000 NA 1,000 16 10,000 NA 1,00
Naphthalene 4-Chloroaniline Hexachlorobutadiene bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4-Dinitrophenol 2.6-Dinitrotoluene Dinethyl phthalate Accuaphthylene 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrotoluene puhylphthalate 4-Chlorophenyl-phenylether Fluorene 4.6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 4-Bronnophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthyene Anthracene Din-butylphthalate Fluoranthene Pyrtne Systylbenzylphthalate Fluoranthene Pyrtne Systylbenzylphthalate 3,3-Dichlorobenzioline			\$40U \$40U \$40U \$40U \$40U \$40U \$40U \$40U	76 J	NA NA NA NA 10,000 68,000 100,000 230,000 1,000 NA 100,000 100,000 10,000 NA 50,000 NA 50,000 NA 1,000 16 10,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 1,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 18 NA 100,000 NA 28 5 100,000 380 290 100,000 2,000

Sample ID: SMII-1-95-C-0.0	T			ı —————	
Lab ID: SMH1C0		j	Method Detection		Bulk Sediment
Sampling Date: 5/2/95		1	Limit	Result	Criteria
	Date Extracted	Date Analyzed	ng/kg DW	ng/kg DW	ne/ke
Benzo(b)fluoranthene Benzo(k)fluoranthene	 	 	540U 540U		900 900
Benzo(a)pyrene (BaP)	 	 	540U		230
Indeno(1,2,3-cd)pyrene			540U		900
Dibenz(a,h)anthracene		ļ	540U		31
Benzo(g,h,i)perylene N-nitrosodimethylamine	 	 	540U 5400U		NA NA
Benzidine	 	 	3400U		NA
1,2-Diphenylhydrazine			5400U		NA.
Benzyl Alcohol	 	·	540U		50,000
PESTICIDES/PCBS (SW846 8080);	 	 			
	25.00.00	05/24/95	}		
Holding time: 14 days to extract, 40 days to analyze alpha-BHC	05/11/95	03/24/93	26U		NA NA
beta-BHC			26U		NA NA
delta-BHC			26U		NA NA
gamma-BHC (Lindane) Heptachlor		ļ	26U 26U		520 150
Aldrin	 	 	26U		40
Heptachlor Epoxide			26U		NA
Endosulfan I	<u> </u>		26U		50,000
Dieldrin 4.4'-DDE	1	 	52U 52U		2,000
Endrin			32U		42
Endosulfan II			52U		50,000
4,4'-DDD (p,p'-TDE) Endosulfan Sulfate			52U 52U	22J	3,000 50,000
4,4'-DDT	 		32U 32U		2,000
Methoxychilor			260U		50,000
Endrin Ketone Endrin Aldehyde			52U 52U		NA NA
alpha-Chlordane	 		260		NA NA
ganuna-Chlordane			26U		NA NA
Mirex			52U		NA NA
Toxaphene Aroclor-1016	 	<u> </u>	520U 260U		100 29
Aroclor-1016	 		260U		29
Aroclor-1232			260U		29
Aroclor-1242			260U		29
Aroclor-1248 Aroclor-1254	 		260U 260U		29 29
Aroclor-1260	 		260U		29
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
Holding time: 6 months (lig 14 days)	all except Hg	all except Hg			
Antimony Arsenic				960 BN 6,400 N	14,000 8,000
Barium	 			104,000 N	700,000
Beryllium			30 U		1,000
Cadmium				390 B	1,000
Chromium Copper			 	37,800 24,700	33,000 28,000
Lead				22,800	21,000
Mercury	5/22/95, 5/23/95	5/22/95, 5/24/95	160U	31.000	100
Nickel Selenium	 		300U	21,800	20,900 63,000
Silver				300 BN	300
Thallium				1,300 B	2,000
Vanadium Zinc	 			44,800 98,600	370,000 68,000
			 	20,000	00,000
INORGANICS - OTHER (Results in mg/kg DW):					
Total Organic Carbon (LOI)	l	5/;9/95, 5/23/95		15,806	NA NA
Cyanide		5/13/95, 5/16/95	0.81U	18.00	1,100
Moisture, in Percent				38.00	ŅA NA
CDAIN SIZE.					
GRAIN SIZE: Results in % Recovery		5/26/95, 5/27/95	ļ	1	
Sieve #4				0.0	
Sieve #10				13.4	
Sieve #40 Sieve #200				23.8	
Results in Relative %					
Silt Clay				31.1 5.3	
City .				J.J	

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: SMH-1-95-C-1.4 Lab ID: SMH1C1 Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Rault ug/kg DW	Bulk Sediment Criteria . vg/kg
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days	 =	5/10/95	120		100.000
Acrolen			1200		NA_
Agylonitrile Banzare		 	120U	 	1,000
Bromodichloromethane			12U		1,000
Bromoform Bromomethane	 	ļ	120	 	1,000
P-Butanone (MEK)			12U		50,000
Carbon Tetrachloride 2-Chloroethylvinylether			12U 12U	 	1,000 NA
Chlorobenzene			12U		1,000
Chloroethane			12U 12U		NA 1,000
Chloroform Chloromethane	1		120		10,000
1,2-Dichloropropane			12U 12U		10,000 10,000
1,1-Dichlorocthane			12U		1,000
1,1-Dichloroethene			12U		8,000 1,000
Dibromochloromethane 1.2-trans Dichloroethylene			12U		30,000
1,2-cis Dichloroethene cis-1,3-Dichloropropene			12U 12U	 	1,000
trans-1,3-Dichloropropene			12U		1,000
Ethylbenzene			12U 32U		100,000 NA
2-Hexanone 4-Methyl-2-Pentanone (MIBK)			120		30,000
Methylene Chloride			12U 12U	9]	1,000 23,000
Styrene Tetrachlomethylene			12U		1,000
1,1,2,2-Tetrachloroethane			12U 12U		1,000 500,000
Toluene 1,1,1-Trichloroethane			12 U		50,000
1,1,2-Trichloroethane			12U 12U		1,000
Trichloroethene (TCE) Vinyl Chloride		 	120		2,000
Xylenes (Total)			120		10,000
1,1,2-Tetrachloroethane			12U		1,000
SEMIYOLATILE ORGANICS (SW846 8270):					
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/26/95	400U		50,000
Phenol bis(2-chloroethyl)ether	·		400U		660
2-Chlorophenol			400U 400U		10,000 100,000
1,3-Dichlorobenzene 1,4-Dichlorobenzene	 		4000		100,000
,2-Dichlorobenzene			400U 400U		50,000 2,800,000
2-Methylphenol bis(2-chloroisopropyl)ether			400U		10,000
4-Mahyiphanol			400U 400U		2,800,000 660
N-Nitroso-di-n-propylamine Hexachloroethane			400U		6,000
Nitrobenzene			400U 400U		10,000 50,000
Isophorone 2-Nitrophenol			4000		NA NA
2,4-Dimethylphenol			400U 400U		NA 10,000
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			400U		68,000
Naphthalene 4-Chloroaniline			400U 400U		100,000 230,000
Hexachlorobutadiene			400U		1,000
bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)	 		400U 400U		NA 100,000
Hexachlorocyclopentadiene			400Ü		100,000
2,4,5-Trichlorophenol 2,4,5-Trichlorophenol			400U 2000U		10,000 50,000
2-Chloronaphthal cne	<u> </u>		400U		NA
Dimethyl phthalate Accraphthylene	<u> </u>		400U 400U		50,000 44
2,6-Dinitrotoluene			400U		44 1,000
Acenaphthene			400U		16
/ 4-LUDUOOOOOI	 		20000		
2,4-Dinitrophenol 4-Nitrophenol			2000U 2000U		NA
-Nitrophenol 2,4-Dinitrotoluene			2000U 400U		1,000
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether			2000U 400U 400U 400U		1,000 50,000 NA
-Nitrophenol 2,4-Dinitrotoluene Diethylphthalaie -Chlorophenyl-phenylether Puorene			2000U 400U 400U 400U 400U		1,000 50,000 NA 18
4-Nitrophenol 2,4-Dinitrotoluene Diethylphthalate - Chlorophenyl-phenylether Fluorene 1,6-Dinitro-2-methylphenol V-Nitrosodiphenylamine			2000U 400U 400U 400U 400U 2000U 400U		1,000 50,000 NA 18 NA 100,000
4-Nitrophenol 2,4-Dinitrotoluene Dictivjphthalaie 4-Chlorophenyl-phenylether Tuorene 1,6-Dinitro-2-methylphenol N-Nitrosodiphenyletnine 1-Bromophenyl-phenyletnine			2000U 400U 400U 400U 400U 2000U 400U 400		1,000 50,000 NA 18 NA 100,000 NA
4-Nitrophenol 2.4-Dinitrotoluene Dicthylphthalate - Chlorophenyl-phenylether Pluorene 1.6-Dinitro-2-methylphenol 1.Nitrosodiphenylamine - Bromophenyl-phenylether Letachlorobenzene entachlorophenol entachlorophenol			2000U 400U 400U 400U 400U 2000U 400U 400		1,000 50,000 NA 18 NA 100,000 NA 660 6,000
I-Nitrophenol 2.4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Pluorene 1.6-Dinitro-2-methylphenol N-Nitrosodiphenylamine I-Bromophenyl-phenylether Hetashlorobenzene Pentachlorophenol Phenanthrene			2000U 400U 400U 400U 400U 2000U 400U 400U 400U 2000U 400U 400U		1,000 59,000 NA 18 NA 100,000 NA 660 6,000 NA
4-Nitrophenol 2.4-Dinitrotoluene Dicthylphthalate - Chlorophenyl-phenylether Pluorene 1.6-Dinitro-2-methylphenol 1.Nitrosodiphenylamine - Bromophenyl-phenylether Letachlorobenzene entachlorophenol entachlorophenol			2000U 400U 400U 400U 400U 2000U 400U 400U 400U 400U 400U 400U 400U 400U	48 J	1,000 59,000 NA 18 NA 100,000 NA 660 6,000 NA 85
I-Nitrophenol 2.4-Dinitrotoluene Diethylphthalate Chlorophenyl-phenylether Pluorene 1.6-Dinitro-2-methylphenol N-Nitrosodiphenylamine I-Bromophenyl-phenylether I-exachlorobenzene Pentachlorophenol Phenanthrene Untracene Din-butylphthalate Pluoranthene			2000U 400U 400U 400U 400U 2000U 400U 400U 400U 2000U 400U 400U 400U 400U 400U	48 J	1,000 59,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380
I-Nitrophenol 2.4-Dinitrotoluene Dicthylphthalate			2000U 400U 400U 400U 400U 2000U 400U 400U 400U 400U 400U 400U 400U 400U	48 J	1,000 59,000 NA 18 NA 100,000 NA 660 6,000 NA 85
4-Nitrophenol 2,4-Dinitrotoluene Dicthylphthalate Chlorophenyl-phenylether Puorene 1,6-Dinitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether Letachlorobenzene entachlorophenol Phenanthrene Untracene Din-burylphthalate Duoranthene Pyrene Burylbenzylphthalate Jyribenzylphthalate Jyribenzylphthalate Jyribenzylphthalate Jyribenzylphthalate Jyribenzylphthalate Jyribenzylphthalate			2000U 400U 400U 400U 400U 400U 400U 400U	48 J	1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000
4-Nitrophenol 2,4-Dinitrotolume Dicthylphthalate Chlorophenyl-phenylether Puorane 1,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine 1-Bromophenyl-phenylether Persakolorobenzene Pentakolorophenol Phenanthrene Untracene Direbutylphthalate Puoranthene Prene Burylbenzylphthalate JDichlorobenzidine Benzo(a)anthracene			2000U 400U 400U 400U 400U 2000U 400U 400	48 J	1,000 59,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000
-Nitrophenol ,4-Dinitrotoluene Dicthylphthalate -Chlorophenyl-phenylether Puorene ,6-Dinitro-2-methylphenol -Nitrosodiphenylamine -Bromophenyl-phenylether letachlorobenzone entachlorophenol Phenathrene untracene Dir-butylphthalate Puoranthene prene stryiphthalate Puoranthene Ja-Dicthlorobenzidine			2000U 400U 400U 400U 400U 400U 400U 400U	48 J	1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000

;-;-

Sample 1D: SWIT-1-93-C-1.4					
Lab ID: SMH1C1	Į.		Method Detection		Bulk Sediment
Sampling Date: 5/2/95		D-1-1-1-1	Limit, ue/ke DW	Result ng/kg DW	Criteria
Berzo(o)iluoranthene	Date Extracted	Date Analyzeo	119/Ke DW	BOX DA	u <u>e</u> /k <u>e</u> 900
Benzo(k)fluoranthene	 		400U		900
Benzo(a)pyrene (BaP)			400U		230
Indeno(1,2,3-cd)pyrene			400U		900
Dibenz(a,h)anthracene			400U		31
Berzo(g,h,i)perylene	 		400U		NA .
N-nitrosodimethyl: nine		ļ	4000U 4000U		NA NA
Benzidine 1.2-Diphenylhydrazine			40000		NA NA
Benzyl Alcohol	 		400U		50,000
PESTICIDES/PCBS (SW846 8080):	İ	İ			
Holding time: 14 days to extract, 40 days to analyze	05/11/95	05/14/95			
Jaloba BHC	03/11/3	03/14/2	100		NA
alpha-BHC beta-BHC	1		10U		NA
delta-BHC			100		NA
gamma-BHC (Lindane)			100		320
Heptachlor	 		10U 10U		150
Aldrin Heptachlor Epoxide	 		100		NA NA
Endosulfan I	 	 	100		50,000
Dieldrin	 		190		11
4,4'-DDB			19U		2,000
Endrin			19U		42
Endosulfan II	 	ļ	190		50,000
4,4'-DDD (p,p'-TDE)	 	ļ	19U 19U		3,000 50,000
Endosulfan Sulfate 4.4'-DDT	 	 	190		2,000
Methoxychlor	 		960		50,000
Endrin Ketone	 		190		NA.
Endrin Aldehyde			19U		NA
alpha-Chlordane			10U		NA
gamma-Chlordane			10U		NA.
Mirex	ļ	[19U 190U		NA 100
Toxaphene Aroclor-1016	 		960		29
Aroclor-1016	 		960		29
Aroclor-1232			960		29
Arocior-1242			960		29
Aroctor-1248			96U		29
Aroclor-1254	ļ		360		29
Aroclor-1260			960		29
INORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
Holding time: 6 months (Hg 14 days)	all except Hg	all except Hg		(20, 20)	17.000
Antimony	ļ			520 BN 2,800 N	14,000 8,000
Arsenic	ļ			79,500	700,000
Barium Beryllium			200	77,000	1,000
Cadmium	1			90 B	1,000
Chromium				20,500	33,000
Соррст				16,000	28,000
Lead		L	12011	6,000	21,000 100
Marcury Nickel			120U	14,800	20,900
Selenium	 	i	220U		63,000
Silver			600	60 UN	500
Thallium				590 B	2,000
Vansdium				26,000 29,200	370,000
Zinc				29,200	68,000
INORGANICS - OTHER (Results in me/ke DW):					***
Total Organic Carbon (LOI)	ļ	5/19/95, 5/23/95	0.600	2,386	NA 1,100
Cyanide Moisture, in Percent	 	5/13/95, 5/16/95	0.000	17.00	NA NA
MOISIWE, DIFECCIE					
CD ATM STATE					
GRAIN SIZE: Results in % Recovery	ļ	5/26/95, 5/27/95	i	ļ	
Sieve #4		J. 250 0 J. J. 21173		14.1	
Sieve #10				8.0	
Sieve #40				30.0	
Sieve #200				29.6	
D-milis in Deletion 9/			<u></u> -	- Ve	
Results in Relative % Sik				15.2	
Ciay				3.1	
<u></u>					

١ -

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

Sample ID: SMH-2-95-C-0.0-R1 Lab ID: SM2C01 Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ng/kg DW	Bulk Sediment Criteria ug/kg
VOLATILE ORGANICS (SW846 8740): Holding time: 14 days		5/9/95			
Accone Acrolein		313133	12U 120U		100,000 NA
Acrylonitrile			120U		1,000
Benzene Bromodichloromethane	 		12U 12U		1,000 1,000
Bromoform Bromomethane			12U 12U		1,000 1,000
2-Butanone (MEK) Carbon Tetrachloride			12U 12U		50,000 1,000
2-Chloroethylvinylether Chlorobenzene			12U 12U		NA 1,000
Chloroethane Chloroform			12U 12U		NA 1,000
Chloromethane			120		10,000
1,2-Dichloropropane 1,1-Dichloroethane			12U 12U		10,000 10,000
1,2-Dichloroethane	-		12U 12U		1,000 8,000
Dibromochloromethane 1,2-trans Dichloroethylene			12U 12U		1,000 50,000
I,2-cis Dichloroethene			12U 12U		1,000 1,000
trans-1,3-Dichloropropene			12U		1,000
Ethylbenzene ?-Hexanone	+		12U 12U		100,000 NA
Methyl-2-Pentanone (MIBK) Methylene Chloride			12U 12U	18	50,000 1,000
Styrane Tetrachloroethylene	-		12U 12U		23,000 1,000
1,1,2,2-Tetrachloroethane			12U		1,000
Tolucne 1,1,1-Trichloroethane	 		12U		500,000 50,000
I,I,2-Trichloroethane Trichloroethene (TCE)			12U 12U		1,000 1,000
Vinyl Chloride			120		2,000
Xylenes (Total) 1,1,1,2-Tetrachloroethane			12U 12U		10,000 1,000
SEMIYOLATILE ORGANICS (SW846 8270):			·		,
Holding time: 14 days to extract, 40 days to analyze Phenol	05/09/95	05/21/95	400U		50,000
bis(2-chloroethyl)ether 2-Chlorophenol			400U 400U		660 10,000
1,3-Dichlorobenzene			400U		100,000
1,4-Dichlorobenzene 1,2-Dichlorobenzene			400U 400U		100,000
2-Methylphenol lbis(2-chloroisopropyl)ether			400U 400U		2,800,000 10,000
4-Methylphenol N-Nitroso-di-n-propylamine			400U 400U		2,800,000 660
Hexachloroethane			400U		6,000
Nitrobenzene Isophorone			400U 400U		10,000 50,000
2-Nitrophenol 2,4-Dimethylphenol			400U 400U		NA NA
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			400U 400U		10,000 68,000
Naphthalene 4-Chloroaniline			400U		100,000
Hexachlorobutadiene			400U 400U		230,000 1,000
bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			400U 400U		NA 100,000
Hexachtorocyclopentadiene 2.4,6-Trichlorophenol			400U 400U		100,000
2,4,5-Trichlorophenol 2-Chloronaphthalene			2000U 400U		50,000 NA
Dimethyl phthalate			400U		50,000
Acenaphthylene 2,6-Dinitrotoluene			400U 400U		44 1,000
Acenaphthene 2,4-Dinitrophenol			400U 2000U		16 10,000
4-Nitrophenol 2,4-Dinitrotoluene			2000U 400U		NA 1,000
Diethylphthalate			400U		50,000
4-Chlorophenyl-phenylether Fluorene			400U 400U		NA 18
4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine			2000U 400U		NA 100,000
4-Bromophenyl-phenylether Hexachlorobenzene			400U 400U		NA 660
Pentachlorophenol			2000U 400U		6,000
Phenanthrene Anthracene			400U		NA 85
Di-n-butylphthalate Fluoranthene			400U 400U	45 J	100,000 380
Pyrene Butylbenzylphthalaie			400U 400U		290 100,000
3,3'-Dichlorobenzidine			790U		2,000
Benzo(a)anthracene Chrysene			400U 400U		160 220
Bis(2-Ethylhexyl)phthalate			400U 400U	230 J	49,000 100,000
Di-n-octylphthalate			4000		100,000

· **

.........

Sample ID: SMH-2-95-C-0.0-R1 Lab ID: SM2C01 Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg 900
Benzo(b) Il uoranthene	_	ļ	400U 400U		900
Benzo(k)fluoranthene		ļ	400U		230
Benzo(a)pyrene (BaP)		ļ	400U		900
ndeno(1,2,3-cd)pyrene			400U		31
Dibenz(a,h)anthracene		ļ	400U		NA NA
Benzo(g,h,i)perylane			4000U		NA NA
N-nitrosodimethylamine			4000U		NA NA
Benzidine		ļ <u> </u>	4000U		NA NA
,2-Diphenylhydrazine			4000		50,000
Benzyl Alcohol	+	 	4000		50,000
PESTICIDES/PCBS (SW846 8080);					
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/14/95			
Ipha-BHC			100		ŅA
octa-BHC			100		NA.
elta-BHC	1		100		NA
amma-BHC (Lindane)		L	100		520
leptachlor			100		150
Ndrin			100		40
leptachlor Epoxide			100		NA NA
indosulfan I			100		-50,000
Dieldrin			190		11
4'-DDE			190		2,000
indrin		<u> </u>	19U		42
ndosulfan II			19U		50,000
,4'-DDD (p,p'-TDE)			190	52	3,000
endosulfan Sulfate		100000	190		50,000
,4'-DDT	+	05/24/95 rerun	1140	570	2,000
Methoxychlor	 		950		50,000
ndrin Ketone	_ <u>}</u>		19U		NA
ndrin Aldehyde		L	190		ŅA
lphs-Chlordane		l	100		NA
amma-Chlordane			100		NA NA
Mirex			190		NA.
oxaphene			190U		100
uroclar-1016		<u> </u>	950		29
troclor-1221		L	95U		29
Aroclor-1232		1	950		29
roclor-1242			95U		29
roclor-1248			950		29
troclor-1254			950		29
uroclor-1260			950		29
NORGANICS - TOTAL METALS (SW846 6000/1000):	5/16/95	5/18/95, 5/24/95			
Iolding time: 6 months (Hg 14 days)	ali except Hg	all except Hg			
intimony		L		600 BN	14,000
usanic		 		4,500 N	8,000
Jarium	ļ	ļ		43,100	700,000
cryllium		ļ	20U	,	1,000
admium		ļ		160 B	1,000 33,000
hromium	1				
				21,600	20,000
opper				14,200	28,000
opper ead		/man/ /mis	12071		28,000 21,000
opper ead fercury	5/22/95, 5/23/95	5/22/95, 5/24/95	120U	14,200 10,400	28,000 21,000 100
opper ead derainy ickel	5/22/95, 5/23/95	5/22/95, 5/24/95		14,200	28,000 21,000 100 20,900
opper ead Jeroury ickel elenium	5/22/95, 5/23/95	5/22/95, 5/24/95	210U	14,200 10,400 13,400	28,000 21,000 100 20,900 63,000
opper ead fecury ickel elenium ilver	5/22/95, 5/23/95	5/22/95, 5/24/95		14,200 10,400 13,400 60 UN	28,000 21,000 100 20,900 63,000 500
opper ead fercury ickel elenium ilver hallium	5/22/95, 5/23/95	5/22/95, 5/24/95	210U	14,200 10,400 13,400 60 UN 800 B	28,000 21,000 100 20,900 63,000 500 2,000
opper ead fercury ickel elenium ilver nallium anadium	\$72295, 5723/95	5/22/95, 5/24/95	210U	14,200 10,400 13,400 60 UN 800 B 32,800	28,000 21,000 100 20,900 63,000 500 2,000 370,000
opper ead lecury ickel elenium ilver nallium anadium	\$72295, 5723/95	5/22/95, 5/24/95	210U	14,200 10,400 13,400 60 UN 800 B	28,000 21,000 100 20,900 63,000 500 2,000
opper ead fercury ickel elenium illver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW);			210U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
opper ead fercury ickel elenium iliver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW); otal Organic Carbon (LOI)			210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
opper ead fercury ickel elemium iliver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW); otal Organic Carbon (LOI) yanide		5/22/95, 5/24/95 5/19/95, 5/23/95 5/19/95, 5/23/95 5/13/95, 5/16/95	210U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Copper cead dercury lickel elenium ilver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW); otal Organic Carbon (LOI) yanide			210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
Copper cead dercury lickel elenium ilver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW): otal Organic Carbon (LOI) yanide loisture, in Percent TRAIN SIZE:		5/19/95, 5/23/95 5/13/95, 5/16/95	210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
opper ead fercury fercury lickel elenium ilver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW); otal Organic Carbon (LOI) yanide foisture, in Percent RAIN SIZE; esults in % Recovery			210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700 5000	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
copper ced fercury ickel elenium ilver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW): otal Organic Carbon (LOI) yanide (oisture, in Percent TRAIN SIZE:		5/19/95, 5/23/95 5/13/95, 5/16/95	210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700 5000	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
copper ced fercury ickel elenium ilver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW): otal Organic Carbon (LOI) yanide (oisture, in Percent RAIN SIZE: esults in % Recovery ieve #4 ieve #4		5/19/95, 5/23/95 5/13/95, 5/16/95	210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700 5000 16.00	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
opper ead fercury ickel elemium iliver hallium anadium inc NORGANICS - OTHER (Results in mg/ke DW); otal Organic Carbon (LOI) yanide (oisture, in Percent RAIN SIZE; esults in % Recovery eve #4 eve #10 eve #40		5/19/95, 5/23/95 5/13/95, 5/16/95	210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700 5000 16.00	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
opper ead fercury ickel elenium illver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW): otal Organic Carbon (LOI) yanide (oisture, in Percent RAIN SIZE: esults in % Recovery eve #4 eve #10		5/19/95, 5/23/95 5/13/95, 5/16/95	210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700 5000 16.00	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
opper ead fercury ickel elenium iliver hallium anadium inc NORGANICS - OTHER (Results in mg/kg DW); otal Organic Carbon (LOI) yanide loisture, in Percent RAIN SIZE; esults in % Recovery ieve #4 eve #10 eve #40 eve #40 eve #40 eve #40 eve #40 eve #200		5/19/95, 5/23/95 5/13/95, 5/16/95	210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700 5000 16.00	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
opper cad cad creary ickel clenium liver nallium snadium inc NORGANICS - OTHER (Results in mg/ke DW); total Organic Carbon (LOI) yanide oisture, in Percent RAIN SIZE; stults in % Recovery eve #4 eve #10 eve #40 eve #200 stults in Relative %		5/19/95, 5/23/95 5/13/95, 5/16/95	210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700 5000 16.00	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000
opper cad cad cacury ickel clenium ilver nallium anadium inc NORGANICS - OTHER (Results in mg/kg DW); otal Organic Carbon (LOI) yanide oisture, in Percent RAIN SIZE; sults in % Recovery cve #4 cve #10 cve #40 eve #40 eve #40 eve #200		5/19/95, 5/23/95 5/13/95, 5/16/95	210U 60U	14,200 10,400 13,400 60 UN 800 B 32,800 36,700 5000 16.00	28,000 21,000 100 20,900 63,000 500 2,000 370,000 68,000

Definitions:

NA - Not Available

ug/kg - micrograms per kilogram, parts per billion

mg/kg - milligrams per kilogram, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DW - Dry weight corrected

D - Result obtained on diluted sample

N - Spiked sample recovery not within control limits

	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sediment Criteria ug/kg
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days	<u> </u>	5/9/95	110		100,000
Actone Acrolein			1100		NA.
Acrylonitrile		·	1100		1,000
Bergene Bromodichloromethane		 	110		1,000
Bromoform			ווט		1,000
Bromomethane 2-Butanone (MEK)			110		1,000 50,000
Carbon Tetrachloride		 	110		1,000
1-Chloroethylvinylether		•	110		1,000
Onlorobenzene Chloroethane			110		NA.
Chloroform			110		1,000
Chloromethane		ļ	110		10,000
,1-Dichlorocthane			110		10,000
2-Dichleroethane			110		1,000 8,000
Dibromochloromethane			110		T.000
2-trans Dichlorocthylene			110		50,000
,2-cis Dichloroethene			110		1000
rans-1,3-Dichloropropene			110		1,000
Shylbenzene R-Hexanone			110		100,000 NA
I-Methyl-2-Pentanone (MIBK)			110		50,000
Kethylene Chloride			110	73	1,000
Tetrachloroethylene		<u> </u>	110		1.000
,1,2,2-Tetrachlorochane			110		1,000
oluene ,1,1-Trichloroethane			110		500,000 50,000
.1.2-Trichloroethane			110		1 7,000
Inchloroethene (TCE) Zwyl Chloride			11U 11U		1,000 2,000
(Vienes (Total)		 	110		10,000
(ylenes (Total) ,1,1,2-Tetrachloroethane			110		1,000
		 	·		
EMIVOLATILE ORGANICS (SW846 8270):					
Holding time: 14 days to extract, 40 days to analyze	05/09/95	05/21/95			
Denoi			370U		50,000
ris(2-chloroethyl)ether			370U		10,000
-Chlorophenol 3-Dichlorobenzene			370U 370U		100,000
A-Dichlorobenzene			3700		100,000
2-Dichlorobenzene -Mathylphenol			370U 370U	<u> </u>	50,000 2,800,000
is(2-chloroisopropyl)ether			370U		10,000
-Methylphenol			370U 370U		2,800,000 660
-Nitroso-di-n-propylamine			370U		6,000
litrobenzene			370U		10,000
sophorone -Nitrophenol			370U 370U		50,000 NA
,4-Dimethylphenol			3700		NA NA
,4-Dichlorophenol			370U 370U		10,000 68,000
2,4-Trichlorobenzene	 		370U		100,000
-Chloroaniline			3700		230,000
exachlorobutadiene is(2-Chloroethoxy)methane			370U 370U		1,000 NA
-Chloro-3-methylphenol (p-chloro-m-cresol)			370U		100,000
exachlorocyclopentadiene 4,6-Trichlorophenol			370U 370U		100,000
4,5 Trichlorophenol			1800U		50,000
Chloronaphthalene			370U		NA 50,000
rimethyl phthalate			370U 370U		
,6-Dinitrotoluene			370U		1,000
amush theme			370U 1800U		16
.cenaphthene 4-Dinitrophenol			18000		NA.
4-Dinitrophenol Nitrophenol					
4-Dinitrophenol Nitrophenol 4-Dinitrotoluene			370U		1,000
4-Dinitrophenol Nitrophenol 4-Dinitrotolucae iethylphhalate					
4-Dinitrophenol Nitrophenol A-Dinitrotoluene inthylphthalate Chlorophenyl-phenylether horene			370U 370U 370U 370U 370U		1,000 50,000 NA 18
4-Dinitrophenol Nitrophenol A-Dinitrotoluene inthylphthalate Chlorophenyl-phenylether horene			370U 370U 370U 370U 370U 1800U		1,000 \$0,000 NA
4-Dinitrophenol Nitrophenol 4-Dinitrotoluene inthylphthalate Chlorophenyl-phenylether horene 6-Dinitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether			370U 370U 370U 370U 370U 1800U 370U 370U		1,000 50,000 NA 18 NA 100,000 NA
4-Dinitrophenol Nitrophenol A-Dinitrophenol 4-Dinitrotoluene iethylphthalate Chlorophenyl-phenylether huorene 6-Dinitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether etashlorobenzene			370U 370U 370U 370U 370U 1800U 370U 370U 370U		1,000 50,000 NA 18 NA 100,000 NA
4-Dinitrophenol Nitrophenol 4-Dinitrotoluene inthylphthalate Chlorophenyl-phenylether horene 6-Dinitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether			370U 370U 370U 370U 370U 1800U 370U 370U 370U 1800U 370U		1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA
4-Dinitrophenol Nitrophenol Nitrophenol A-Dinitrotoluene iethylphthalate Chlorophenyl-phenylether horene 6-Dinitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether exachlorobenzene entachlorophenol henanthrene			370U 370U 370U 370U 370U 1800U 370U 370U 370U 1800U 370U 370U 370U 370U	70.1	1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA RK
4-Dinitrophenol Nitrophenol Nitrophenol A-Dinitrophenol A-Dinitrotoluene iethylphthalate Chlorophenyl-phenylether horene 6-Dinitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether exachlorobenzene entachlorophenol henanthrene mitracene i-n-burylphthalate			370U 370U 370U 370U 370U 1800U 370U 370U 1800U 370U 370U 370U 370U 370U 370U	48 J	1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA
4-Dinitrophenol Nitrophenol Nitrophenol A-Dinitrotoluene iethylphthalate Chlorophenyl-phenylether horene 6-Dinitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether exachlorobenzene entachlorophenol henanthrene			370U 370U 370U 370U 370U 1800U 370U 370U 370U 1800U 370U 370U 370U 370U 370U 370U 370U 370U	48 1	1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290
4-Dinitrophenol Nitrophenol A-Dinitrophenol A-Dinitrotoluene iethylphthalate Chlorophenyl-phenylether horene 6-Dinitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether exachlorobenzene entachlorophenol henanthrene mitracene i-n-butylphthalate uoranthene mylbenzylphthalate utylbenzylphthalate			370U 370U 370U 370U 370U 1800U 370U 370U 1800U 370U 1800U 370U 370U 370U 370U 370U 370U 370U 370U	48)	1,000 50,000 NA 18 NA 100,000 NA 6660 6,000 NA 85 100,000 380 290 100,000
4-Dinitrophenol Nitrophenol Nitrophenol A-Dinitrophenol A-Dinitrotoluene inthylphthalate Chlorophenyl-phenylether hurenee 6-Dinitro-2-methylphenol -Nitrosodiphenylamine Brumophenyl-phenylether exachlorobenzene mischlorophenol henanthene mitracene i-a-burylphthalate uoranthene yrene utstylbenzylphthalate stylphenzylphthalate burylphenzylphthalate 3-Dichlorobenzidine			370U 370U 370U 370U 1800U 370U 370U 370U 370U 370U 370U 370U 370U 370U 370U 370U 370U 370U 370U	48 7	1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290
4-Dinitrophenol Nitrophenol A-Dinitrophenol A-Dinitrotoluene iethylphthalate Chlorophenyl-phenylether horene 6-Dinitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether exachlorobenzene entachlorophenol henanthrene mitracene i-n-butylphthalate uoranthene mylbenzylphthalate utylbenzylphthalate			370U 370U 370U 370U 370U 1800U 370U 370U 1800U 370U 1800U 370U 370U 370U 370U 370U 370U 370U 370U	48 J 200 J	1,000 50,000 NA 18 NA 100,000 NA 660 6,000 NA 85 100,000 380 290 100,000 2,000

Sample ID: SMH-2-95-C-0.0-R2 .ab ID: SM2-C02 Sampling Date: 5/2/95	Date Extracted	Date Analyzed	Method Detection Limit ug/kg DW	Result ug/kg DW	Bulk Sedimen Criteria ve/ke
enzo(b)iluoranthene		ļ	3700		900
enzo(k)fluoranthene		ļ	370U		
enzo(a)pyrene (BaP)			370U	L	230
deno(1,2,3-ed)pyrene		<u> </u>	370U		900
ibenz(a,h)anthracene			3700		31
enzo(g,h,i)perylene			370U		NA NA
nitrosodimethylamine		<u> </u>	3700U		ŊÀ
enzidine		<u> </u>	3700U		NA
2-Diphenylhydrazine		<u> </u>	3700U		NA
enzyi Alcohol			3700		50,000
ESTICIDES/PCBS (SW846 8080):	**				
olding time: 14 days to extract, 40 days to analyze	05/08/95	05/13/95	90		NA NA
phi-BHC		 	90		NA NA
28-BHC		 	90		- NA
Ita-BHC		 		 	
umma-BHC (Lindane)	_ļ	Ļ	90		520
extechlor		 	90		150
derita			90	 	40
sytachlor Epoxide		 	90		NA KAMA
idosulfan I		ļ	90		50,000
eldrin		ļ	18U		11
T-DDB		<u> </u>	18U		2,000 42
xdrin,		 	180		
ndosulfan II		ļ	18U	<u> </u>	50,000 3,000
(-DDD (p.p-110E)		 	18U		3,000 50,000
dosulfan Sulfate		ļ	18U		2,000
I-DDT		 	180		50,000
choxychior		ļ	88U		30,000 NA
ndrin Ketone		 	18U	 	
ndrin Aldehyde		 	90		NA
obs-Chlordane	- 	 	90		
mma-Chlordane		 	180		- NÃ
irex		 	1800		100
oxaphene roclor-1016		 	88U		29
roctor-1016 roctor-1221		 	88U		29
rocior-1221		 	88U		29
roclor-1232		 	88U		29
rocior-1242		 	88Ú		29
rocior-1248		 	880		29
roctor-1259			880		29
NORGANICS - TOTAL METALS (SW846 6000/7000):	5/16/95	5/18/95, 5/24/95			
		-			
olding time: 6 months (Hg 14 days)	all except Hg	all except Hg	3600	360 UN	14,000
ntimony	 	ļ	3000	1,400 N	8,000
rscnic		 		53,000	700,000
erium	- 	 	20U	33,000	1.000
ayllium	+	 	300		1,000
edmium	 	 	300	9,100	33,000
romium .		<u> </u>	<u> </u>	8,000	28,000
ppa				1,600	21,000
20	Smine chine	3/22/95, 5/24/95	1100	*,000	100
ercury	3/24/93, 3/23/93	JILLYS, SILAIYS	1100	7,700	20,900
dd			2100	7,700	63,000
Honium	 		4100	90 BN	500
lver			· · · · · · · · · · · · · · · · · · ·	810 B	2,000
alliun	+	 		24,600	370,000
snadium nc				22,200	68,000
ADDITION OF THE PARTY OF THE PA					
ORGANICS - OTHER (Results in mg/kg DW): tal Organic Carbon (LOI)		5/19/95, 5/23/95		648	NA.
ymide		5/13/95, 5/16/95	0.30		1,100
oisture, in Percent				9.00	NA
RAIN SIZE:					
esults in % Recovery		5/26/95 <u>,</u> 5/27/95	<u> </u>		
eve #4		<u> </u>		14.5	
eve #10				20.4	
eve #40				33.1	
eve #200				21.0	
sults in Relative %					
				2.5	
ay				8.5	
					

Definitions:

NA - Not Available

10g/1g - micrograms per kilogram, parts per billion

10g/1g - milligrams per kilogram, parts per million

10g/1g - Districted

10g/1g - Districted in laboratory blank (organics), Reported value less than Contract Required DL

10g/1g - Districted in laboratory blank (organics)

10g/1g - Districted in limit

10g/1g - Districted in limit

10g/1g - Districted in diluted sample

10g/1g - Spiked sample recovery not within control limits

l	
	ılts
	l Result
I	<u> </u>
	ytical
	7
	E
ı	Z,
	ank Analy
١	0.4
ĺ	4
١	滢
١	-9
	Table

Same

						, 0, 0, 1	
Lab ID: Sample ID:		TB0424	TB0430	TB0501	TB0502	T.B0504	I Busu4A
Samoling Date:	MDL (ug/L)	Trip Blank	Trip Blank 4/30/95	Trip Blank 5/01/95	Trip Blank 5/02/95	Trip Blank 5/4/95	Trip Blank 5/4/95- pm
VOLATILE ORGANICS (Results in ug/L):							
SW846 8240, Holding Time: 14 days			-				1
Date Analyzed:		05/16/95	05/04/95	05/06/95	05/06/95	05/16/95	05/08/95
			100	1001	1101	34	15
Acemne	001	100	201	2001		1001	TODOL
Actolem	2001	0001	1001	1001	1001	1001	1001
Actylonitrie	0001	2001	Onn I	2001	101	1,01	101
Benzene		100	100	1001	Tio!	101	001
Dromoulculoromemane	001		2001	001	201	101	101
Bromolorm	001		100	001	201	101	101
Bromomemane 5 F	001	001	201				Tion
Z-Burnone (MBK)	001	001	201		101	101	101
Carbon Lettachionde	100	001	201	001	201	201	101
2-Chloroemylvinylener	001	001	201	001	201		Sign Park
Chiotobenzene	001	001		201	101	201	101
Chloroethane	1001		001		101		101
Calorolom	001	001			001	201	
Chloromethane	100	001	200	001	201	001	1101
1,2-Uiculoropropane	1001	001	201	2001	001	201	
1,1-Dichloroethane	001	100	001	001		201	201
1,2-Dichloroethane	100	100	001	001	001	201	001
1,1-Dichloroethene	1001	001	001	001	100	001	001
Ulbromochloromethane	100	001		001	001	201	200
1,2-trans Dichloroethylene	100	1001	001	001	201	001	100
1,2-cis Dichloroethene	1001	100	201	001		001	001
cis-1,3-Dichloropropene	100) 101	001	001	201		001
trans-1,3-Dichloropropene	100	100	100	001	001	1001	001
Ethylbenzone	100	100	190	100	201	001	001
2-Hexanone	100	100	100	190	1001	001	1001
4-Memyi-2-Fenanone (MIBK)	001	100	201	200	2100	IVO	200
Chrone	101	1101	1101	101	101	101	101
Tetrachlomethylene	101	201	1001	1001	100	100	100
1.1.2.2-Tetrachlomethane	Tori	101	101	1001	1001	1001	100
Toluene	1001	100	1001	100	100	198	100
1.1.1.1-Trichloroethane	100	1001	100	100	199	100	100
1,1,2-Trichloroethane	1001	100	100	100	100	100	100
Trichloroethene (TCE)	100	100	100	100	100	100	100
Vinyl Chloride	100	100	100	100	100	100	100
Xylenes (Total)	10Ü	100	10U	. 10U	100	100	100
1,1,1,2-Tetrachloroethane	100	100	100	100	100	100	100

Definitions:

ug/L - micrograms per Liter, parts per billion U - Undetected J - Estimated value B - Detected in laboratory blank

Results of Elutriate and River Water Analyses

	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Roult ve/L	Acute Water Quality Criteria ug/l,
YOLATILE ORGANICS (SW846 8240):				1	
Holding time: 14 days Acetone		05/13/95	100	120	446,000
Acrolest			3000		455
Acrylomaile Benzene			1000	 	645
Bromodichloromethane			100		NA.
Bromoform Bromomethane			100	 	1825 NA
2-Butanone (MEK)			100		161,000
Carbon Tetrachloride 2-Chloroethylvinylether			100	-	2780 17,300
Chlorobenzene			100		1180
Chlorostrane Chlorosom			100	 	NA 1945
Chloromethane			10U		NA.
I_2-Dichloropropane I_1-Dichloroethane			100	ļ	10,825 NA
1,2-Dichloroethane			100		15,440
I,1-Dichloroethene Dibromochloromethane			100	<u> </u>	7460 6750
1,2-trans Dichloroethylene			100		1000
cis-1,2-Dichloroethene cis-1,3-Dichloropropene			100	 	305 305
trans-1_3-Dichloropropene			100	<u> </u>	2900
Ethylbenzene 2-Hexanone			100	ļ	21,400
4-Methyl-2-Pentanone (MIBK)			100	 	11,840
Methylene Chloride			100	5 JB	NA
Styrene Tetrachloroethylene			100	 	693 1040
1.1.1.2-Tetrachioroethane			100		NA.
1,1,2,2-Tetrachloroethane Toluene			100	 	1040
1.1.1-Trichloroethane			TOU		3025
I, I, 2-Trichloroethane Trichloroethene (TCE)		-	100	 	3390 2250
Vinyl Chloride			100		NA
Xylenes (Total)			100		1033
SEMIVOLATILE ORGANICS (SW846 8270); Holding time: 7 days to extract, 40 days to analyze	05/11/95	05/22/95			
Phenol his/2-chloroethyllether			100	 	100 30,000
bis(2-chloroethyl)ether 2-Chlorophenol			100		360
1,3-Dichlorobenzene 1,4-Dichlorobenzene			100	 	345 730
1,2-Dichlorobenzene			100		820
2-Methylphenol bis(2-chloroisopropyl)ether		,	100		NA 4,545
4-Methylphenol			100	2.7	NA
N-Nitroso-di-n-propylamine Hexachloroethane			100	 	NA 60
Nitrobenzene			100		4,040
Isophorone 2-Nitrophenol			100	17	10,400 8,000
2,4-Dimethylphenol			100	3.7	660
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			100		1,683
Naphthalene			100		135
4-Chloroanline Hexachlorobutadiene			100		NA IO
bis(2-Chloroethoxy methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			100		NA NA
4-Chloro-1-methylphenol (p-chloro-m-cresol)			10U 10U		153
Hexachlorocyclopeniadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol			100	·	3
2,4,5-Trichlorophenol			30U 10U		I00 NA
2-Chloronaphthalene Dimethyl phthalate			100		2,475
Acenaphthylene			100		NA NA
2,6-Dirutrotoluene			100		990
			100		85
2,4-Dinitrophenol			50U		655
4-Nitrophenol			50U 50U		655 2,335
4-Nitrophenol 2,4-Distrotohiene Diethylphthalate			50U 50U 10U 10U	2.1	655 2,335 1,590 4,000
I-Nitrophenol ,4-Diutrolohuene Diethylphthalate -Chlorophenyl-phenylether			50U 50U 10U 10U 10U	2.1	655 2,335 1,590 4,000 NA
I-Nitrophenol 4. Drutrotohuene ichtylyhtulate I-Chlorophenyl-phenylether litorene Inorene 6. Drutro-2-methylphenol			50U 50U 10U 10U 10U 10U 10U 50U	2.7	655 2,335 1,590 4,000 NA NA NA
I-Nitrophenol Jethylphdialse Chlorophenyl-phenylether I-Durone Jordan Street			50U 50U 10U 10U 10U 10U 50U	2)	655 2,335 1,590 4,000 NA NA NA
			50U 50U 10U 10U 10U 10U 10U 50U	2 J	655 2,335 1,390 4,000 NA NA
4-Nitrophenol			50U 50U 10U 10U 10U 10U 10U 10U 10U 10U	2 J	633 2,335 1,590 4,000 NA NA NA NA 293 270 NA e(1.005(pH)-4,830)
I-Nirophenol 2,4-Dimmolohene Diethylphthalate Chlorophenyl-phenylether Inorene Jopanio-2-methylphenol Nirosodiphenyl-phenylether Eromophenyl-phenylether erszellorobenzene erszellorobenzene intachorophenol henanthene Lithracene			50U 50U 10U 10U 10U 10U 50U 10U	21	633 2,335 1,590 4,000 NA NA NA 295 270 NA e (1.005(pH)-4,830) 5
I-Nitrophenol (A-Dirutrololuene ichtylphilulate -Chlorophenyl-phenylether horores (S-Dirutro-2-methylphenol -Nitroschiphenyl-munie -Bromophenyl-phenylether -exachlorobenzene -enachlorophenol henanthrene -chtracene -in-buryl-phthalate			50U 50U 10U 10U 10U 10U 50U 10U 10U 10U 10U 10U	21	633 2,335 1,590 4,000 NA NA NA 293 270 NA e(1.005(pH)-4,830) 3 NA
4-Nitrophenol 2, 4-Dirutrolablene Diethylphtalate 4-Chlorophenyl-phenylether Phoretee 1, 6-Doutro-2-methylphenol N.Nitrosodiphenylamine 4-Bromophenyl-phenylether 1-Bromophenyl-phenylether 1-Bromophenyl-phenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol Pentachlorophenol			50U 50U 10U 10U 10U 10U 50U 10U 10U 10U 10U 10U 10U	2)	633 2,335 1,590 4,000 NA NA NA NA 293 270 270 NA c(1.005(pH)-4,830) 5 NA 105 200
-Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitroscolphenol -Nitrosco			50U 50U 10U 10U 10U 50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U	2]	633 2,335 1,590 4,000 NA NA NA NA NA 1,595 270 NA e(1.005(pH)-4,830) S NA 105 105 105 105 106 NA 140
I-Nirophenol (A-Dimrotohuene Diethylphthalate Chlorophenyl-phenylether Interese (A-Dimro-2-methylphenol A-Nirosodiphenyl-phenylether Interese Bromophenyl-phenylether Iersachlorobenzene Iersachlorobenzene Iersachlorobenzene Interese Din-buryl phthalate Din-buryl phthalate Dinromphenyl phthalate Dinromphenyl phthalate Dinromphenyl phthalate Dinromphenyl phthalate Dinromphenyl phthalate Dinromphenyl phthalate Dinromphenol Dinromphen			50U 50U 10U 10U 10U 10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1	2]	655 2,335 1,590 4,000 NA NA NA NA 293 270 NA (c(1.005(pt)-4,830) 5 NA 105 200 NA NA
-Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenyl-phenylether -Norther - Nitroscophenol -Nitroscophenyl-phenylether -Nitroscophenyl-phenylether -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenol -Pattorbenzene -Pattorbenzene -Pattorbenzene -Nitroscophenol -Pattorbenzene -Nitroscophenol -Nitroscoph			50U 50U 10U 10U 10U 10U 10U 10U 10U 1		633 2,335 1,390 4,000 NA NA NA NA NA NA NA 103 273 270 270 NA £ (1.005(pH)-4,830) 5 NA 103 200 NA 104 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA
4-Nitrophenol 2, 4-Dirurrotaviene Diethylphtulate 4-Chlorophenyl-phenylether Thorrene (5-Diruro-2-methylphenol N.Nitrosodiphenyl-phenylether 1-Bromophenyl-phenylether 1-Eromophenyl-phenylether 1-Eromophenyl-phenylether 1-Eromophenol 1-Eromo			50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1	21	655 2,335 1,590 4,000 NA NA NA NA 105 293 270 NA (1.005(pH)-4,830) 5 NA 105 200 NA 140 NA NA NA NA
I-Nirophenol (A-Dinnvoluene Dicthylphthalate Chlorophenyl-phenylether Inorene (A-Dinnvo-2-methylphenol A-Nirosodiphenyl-phenylether Inorene Bromophenyl-phenylether Iersachlorobenzene Iersachlorobenzene Iersachlorobenzene Intracene Din-butyl phthalate Dinn-butyl phthalate Dinnophenol Indracene Dinn-butyl phthalate Dinnophenol Indracene Dinnophenol Indracene Dinnophenol Indracene Dinnophenol Indracene Dinnophenol Indracene Dinnophenol Indracene Dinnophenol Indracene Intrac			50U 50U 10U 10U 10U 10U 10U 10U 10U 1		633 2,335 1,590 4,000 NA NA NA NA NA 105 270 NA e (1.005(pH)-4,830) 5 NA 105 200 NA 140 NA 140 NA 100 NA NA 100 NA
-Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrosoliphenol -Nitr			50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		633 2,335 1,590 4,000 NA NA NA NA NA NA 100 NA NA NA NA NA NA NA 100 NA NA 100 NA NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
-Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitroschialate -Chlorophenyl-phenylether -Inorene -Nitroschiphenol -Nitroschiphenylamine -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenyl-phenylether -Bromophenol -Pattorhenol -Pattorhenol -Pattorhenol -Pattorhenol -Pattorhenol -Nitroschipenol -Nitros			50U 50U 10U 10U 10U 10U 10U 10U 10U 1		633 2,335 1,590 4,000 NA NA NA NA NA 105 270 NA e (1.005(pH)-4,830) 5 NA 105 200 NA 140 NA 140 NA 100 NA NA 100 NA
A Nitrophenol 2, 4-Dirutrolablene Diethylphthalate Chlorophenyl-phenylether Houreme (3,5-Dirutro-2-methylphenol N. Nitrosodiphenylamine - Bromophenyl-phenylether - Bromophenyl-phenylether - Bromophenyl-phenylether - Bromophenyl-phenylether - Bromophenyl-phenylether - Bromophenyl-phenylether - Bromophenyl-phenylether - Bromophenol - Bromophenol - Penaldurene - Penaldurene - Penaldurene - Jubackene -			50U 50U 10U 10U 10U 10U 10U 10U 10U 1		635 2,335 1,590 4,000 NA NA NA NA 293 270 NA e(1.005(pH)-4,830) NA 103 200 NA 140 NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA
4-Nitrophenol 2,4-Dirutrolablene 2,4-Dirutrolablene 2,4-Dirutrolablene 2,5-Dirutrolablene 3,5-Dirutrolablene 3,5-Dirutrolablene 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenol 5-Romophenol 6-Romophenol			50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		633 2,335 1,590 4,000 NA NA NA NA NA 103 295 270 NA (1.005(pH)-4,830) 5 NA 103 200 NA 140 NA 140 NA 100 NA 100 NA NA NA NA NA NA NA
4-Nitrophenol 2,4-Dirutrolablene 2,4-Dirutrolablene 2,4-Dirutrolablene 2,5-Dirutrolablene 3,5-Dirutrolablene 3,5-Dirutrolablene 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenyl-phenylether 4-Romophenol 5-Romophenol 6-Romophenol			50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		655 2,335 1,550 4,000 NA NA NA NA NA 105 293 270 NA c(1.005(pH)-4,830) 3 NA 105 200 NA 140 NA 140 NA 140 NA 140 NA 140 NA 140 NA 140 NA 150 150 150 150 150 150 150 150 150 150
4-Nitrophenol 2, 4-Drutrotolvene Diethylphthalae 4-Chlorophenyl-phenylether Pitorene 1, 5-Drutro-2-methylphenol 1, 5-Drutro-2-met			30U 30U 30U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		655 2,135 1,590 4,000 NA NA NA NA 293 270 NA (1,005(pH)-4,830) S NA 105 200 NA 104 105 105 106 NA 107 107 108 109 109 109 109 109 109 109 109 109 109

iample ID: BPO-1-95-C-0.0 ab ID: BPO1C0 Clutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L,	Acute Water Qualit Criteria up/L
DISS. SEMIYOLATILE ORGANICS (SW846 8270): holding time: 7 days to extract, 40 days to analyze	05/12/95	05/23/95			
henol us(2-chloroethyl)ether			100		30,000
Chlorophenol			100		560 345
3-Dichlorobenzene 4-Dichlorobenzene			100		730
2-Dichlorobenzene -Methylphenol			100		820 NA
is(1-chlorousopropyl)ether			100		4,545
-Methylphenol -Nitroso-di-n-propylamine	+		100		NA NA
exachloroethane			100		4,040
pophorone			100		10,400
-Nitrophenol -4-Dimethylphenol			10U		8,000 660
.4-Dichlorophenol			100		1,685
2.4 Inchlorobenzene			10U		130
-Chloroaniline			100		NA NA
lexachlorobutadiene		 	100	 	10 NA
st? Chloroethoxy)methane Chloro-3-methylphonol (p-chloro-m-cresol)			100		155
exschlorocyclopeniadiene 4,6-Trichlorophenol			100		+ 3
,4,5-Trichlorophenol			300		100
-Chloronaphthalene nmethyl phthalate			100		NA 2,475
cenaphthylene			100		NA 990
6-Directoroluene comphithene		<u> </u>	100		85
,4-Diretrophenol			36U 30U		655 2,335
-Nitrophenol (-Duutrotoluene			100		1,590 4,000
rethylphthalate Chlorophenyl-phenylether			100	 	4,000 NA
horene			10U 30U		NA NA
6-Dinitro-2-methylphenol -Nitrosodiphenylamine			100		293
Bromophenyl-phenylether exachlorobenzene			100		270
entschlorophenol			30U		NA e (1.005(pH)-4,830
henantivene ntivacene			100		NA NA
n-n-butyl phthalate			100		105
horanthene yrene			100		200 NA
utvlbenryl phthalate			100		140
3-Dichlorobenzidine enzo(a)anthracene			20U 1U	· · · · · · · · · · · · · · · · · · ·	NA 0,5
hrysene			100		NA.
ss(2-Ethylhexyl)phthalate n-n-octyl phthalate			100		NA 100
enzo(b)fluoranthene			IOU		NA NA
enzo(k)fluoranthene enzo(a)pyrene (BaP)	 		100		NA NA
enzo(a)pyrene (BaF) ideno(1,2,3-ed)pyrene ibenz(a,h)anthracene			100		NA NA
enzo(q,h,i)perylene			100		NA.
-nitrosodimethylamine			1000		17,100 295
2-Diphenyl-n-hydrazine			100U		13
enzył Alcohol			100		NA.
ESTICIDES/PCBS (SW846 8080)					
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/18/95	0.030		NA NA
n-RHC			0.05U		NA.
elta-BHC umra-BHC (Lin::ane)			0.03U 0.03U		NA I
ry tachior			0.03U		0.26
ktrin eptichlor Epoxide			0.03U 0.03U		1.5 0.5
ndosulfan			0.03U		0.11
ieldrin 4-DDE			0.10U 0.10U		0.55
odrin			0.09U		0.09
ndorulfan II 4-DDD (p.p'-TDE)			0.10U 0.10U		0.11
(*-DDD (p.p*-TDE) idorulfan Sulfate (*-DDT	T		0.100		0.11
					
ethoxychlor	<u> </u>		0.50U		NA NA
etboxychlor odna Ketone			0.50U .010U		NA.
etboxychlor schin Ketone schin Aldehyde sha-Chlordane			0.50U .010U 0.10U 0.05U		NA NA 1.2
rtborychlor drin Ketone drin Aldehyde oha-Chlordane mna-Chlordane			0.50U 010U 0.10U 0.03U 0.03U		NA NA 12 12
erboxychlor Mein Ketone dem Aldehyde ohs-Chlordane rums-Chlordane rex xxxphene			0.50U .010U 0.10U 0.05U 0.05U 0.10U 1.00U		NA NA 1.2 1.2 NA 0.37
erboxychlor drin Ketone drin Aldehyde ohs-Chlordane mms-Chlordane zex xxxphene rector-1016			0.50U .010U 0.10U 0.05U 0.05U 0.05U		NA NA 1.2 1.2 NA
erboxychlor Mdrin Ketone Mdrin Aldehyde ha-Chlordane mras-Chlordane		0.50U 0.10U 0.10U 0.05SU 0.05SU 0.10U 1.00U 0.50U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37	
chorychlor drin Aldelyde his Chlordane mass-Chlordane rex xxpt. xxpt. color: [221 color: [242 color: [248			0.30U 0.10U 0.10U 0.05SU 0.05SU 0.100U 1.000 0.30U 0.30U 0.30U 0.30U 0.30U		NA NA 12 1.2 NA 0.37 2 2 2 2 2
rboxychlor ddin Ketone ddin Ketone ddin Aldelyde obs-Chlordane mms-Chlordane rrx xxphene odor-1016 odor-1221 odor-1232 odor-1442 odor-1248			0.50U 0.10U 0.05U 0.05U 0.05U 0.10U 1.60U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		NA NA 12 12 12 NA 0.37 2 2 2 2 2 2 2 2
erboxychlor drin Ketone drin Aldehyde oha-Chlordane mma-Chlordane rex oxaphae rector-1016 rector-1221 rector-1232 rector-1242 rector-1248 rector-1248			0.30U 0.10U 0.10U 0.05SU 0.05SU 0.100U 1.000 0.30U 0.30U 0.30U 0.30U 0.30U		NA NA 12 12 12 NA 0.37 2 2 2 2 2
reboxychlor Addin Keione Adm Aldehyde Adm Al			0.50U 0.10U 0.05U 0.05U 0.05U 0.10U 1.60U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2
reboxychlor Addin Keione Adm Aldehyde Adm Al	05/1095	05/19/95	0.30U 0.10U 0.10U 0.05SU 0.10U 1.00U 1.00U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U		NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
reboxychlor Addin Keione Adm Aldehyde Adm Al	05/10/93	05/19/95	0.30U 0.10U 0.05U 0.05SU 0.10U 1.60U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U		NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
reboxychlor Addin Keione Adm Aldehyde Adm Al	05/10/95	05/19/95	0.30U 0.10U 0.05U 0.05SU 0.10U 1.00U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U		NA NA 12 12 12 13 NA 0.37 2 2 2 2 2 2 2 2 2
crboxychlor ddin Ketone ddin Aldehyde bha-Chlordane mmas-Chlordane mres xxxphene rector-1016 rector-1221 rector-1232 rector-1242 rector-1248 rector-1248 rector-1248 rector-1250 SSOLVED PESTICIDES/PCBS (SW846 8080) biding time: 7 days to extract, 40 days to analyze bha-BHC a-BHC mras-BHC (Lindane) paschlor	05/10/95	05/19/95	0.30U 0.10U 0.10U 0.0SU 0.0SU 0.10U 1.00U 0.30U		NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 1 2 1 2
critoxychlor drin Attorne drin Aldehyde bla-Chlordane mrss-Chlordane 05/1093	05/19/95	0.30U 0.10U 0.10U 0.05U 0.05U 0.10U 1.00U 0.30U 0.		NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 1	

Somple ID: BPO-1-95-C-0.0 Lab ID: BPO1C0 Elutriate Prep Date: 05/08/95			Method Detection Limit	Rerult	Acute Water Quali Criteria
A-DDE	Date Extracted	Date Analyzed	ue∕I. 0.10U	ue/L	ue/L 0.55
adan			0.09U		0.09
ndosulfan II			0.10U		0.11
,4-DDD (p,p-TDE) indosulfan Sulfate	 		0.10U 0.10U		0.55
JA'-DDT	-		0.10U		0.55
viethoxychlor			0.50U		NA.
ndrin Ketone	ļ		U010,		NA NA
indrin Aldehyde Iphu-Chlordane			0.05U		1.2
amma-Chlordane			0.05U		1.2
lirex			0.10U 1.00U		NA 0.37
Oxaphene Vrocior-1016			0.300		2
troclor-1221			0.50U		2
roctor-1232			0.500		2
Aroclor-1242	ļ		0.50U 0.50U		
uroclor-1248 uroclor-1254		·	0.50U		2
troclor-1260			0.30U		2
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):	ł	l .			
Tolding time: 7 days to extract, 40 days to analyze	05/10/95	05/25/95			* * * * * * * * * * * * * * * * * * * *
arathion			1.00		0.065
hlorpynios			1.00		0,000
DISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):	1				
lolding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95			
unthion			1.00		0.065 0.083
hlorpynios	 	 	1.00		0.003
LCOHOLS/ALDEHYDES (SW846 Modified 8015);	1				
	l _	05/17/95			
Jolding time: None	 	V	SOOOLU		2180
ormaldehyde -Propanol	 	 	3000U		227,750 443,163
Propanol			3000U		443,165
······································		[
ISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):					
folding time: None		05/12/95	50000		2180
ormaldehyde -Propanol			30000		227,750
-Propanol			3000U		443,165
NORGANICS - TOTAL METALS (SW846 6000/7000);	05/18/95	05/20/95			
folding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			7/8
- Uuminum			43.80	79,300 3.6 UN	750 88
летопу			3.60 1.60	3.6 UN 31.8 N	360
rienic urium	· · · · · · · · · · · · · · · · · · ·		7.9Ŭ	399 N°	20,500
eryllium			6.20U	1.3 B	NA 8050
loroft	ļ		34.9U 0.30U	186 	1.79
admium Dromium III			10	318	984.32
obalt			2.10	64.8 E	95
opper			6.9U	201 N°	9.22
esd	3/26/95, 3/31/95	06/03/93	2.IU 0.20U	// / / / / / / / / / / / / / / / / / /	33.78 2.4
lercury lickel	22077, 23177	000,77	3.8U	129 EN	789.01
elenium			2.10	6.6 N	20
iver			0.60U 3.4U	4.2 BN 5.4 BN	0.92 63
hallium muibena	ļ		1.20	214 EN	313
inc			2.10	070 EN	65.04
NORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95		ļ	
folding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
Juminum			43.8U	1770 •	750 88
numony	ļ		3.6U 1.6U	7.8 B	360
rsenic arium	L		7.90	379	20,500
eryllium			0.200		NA 8010
oron			34.9U 0.30U	191	8050 1.79
idmium hronium III			10	8	984.32
obalt			2,10	2.8 B	95
opper			0.9U 2.1U	67.6	9,22 33,78
		05/31/93	0,20U	20.6	2.4
esd	05/24/95		3.8U	4.9 B	789.01
ercury ickel	05/24/95				
ercury ickel elenium	05/24/95		2.10		20
ercury ickel elenium Iver	05/24/95		2,1U 6.60U	0.60 UN	0.92
ercury ickel Jenium Iver allium	05/24/95		2.1U 6.60U 3.4U 1.2U	0.60 UN	0.92 65 515
ercury ickey 	05/24/95		2,1U 6,60U 3,4U	0.60 UN	0.92 63
ercury ickel lenium lyer allium anadium	05/24/95		2.1U 6.60U 3.4U 1.2U	0.60 UN	0.92 65 515
ercury ickel elenium lyes anlium anadium ne (ORGANICS - OTHER (Results in mg/L):	05/24/95		2.1U 0.80U 3.4U 1.2U 2.1U	0.60 UN 14.0 B	0.92 65 515 65.04
lercury Sckel elenium lyer halium enadium inc VORGANICS - OTHER (Revults in mg/Li): hloride	05/24/93	05/12/95	2.10 6.600 3.40 1.20 2.10	0.60 UN	6.92 65 515 65.04
iercury ickel elenium lver hallium anadium ne **CORGANICS - OTHER (Results in me/L): hloride hromium VI	05/24/93	05/12/95	2.1U 0.80U 3.4U 1.2U 2.1U	0.60 UN 14.0 B	0.92 65 515 65.04
ercury icke! elenum lver salium snadum nnc (ORGANICS - OTHER (Results in me/Li: shoride shoride shoridum vi yanide	05/24/93	05/12/95 05/12/95 05/12/95 05/12/95	2.1U 0.660U 3.4U 1.2U 2.1U 1U 0.01U 0.01U 0.01U	0.60 UN 14.0 B 	86,000 NA 22 19
lercury ickel elenium liver salium sandium inc (ORGANICS - OTHER (Results in me/Li: shoride bromium VI yanide ool Residual Chlorine	05/24/93	05/12/95 05/12/95 05/22/95	2.1U 0.80U 3.4U 1.2U 2.1U 1U 0.01U	0.60 UN 14.0 B	0.92 65 515 65.04 86,000 NA 22
fercury Sickel elenium lyer hallium enadium inc NORGANICS - OTHER (Results in mg/Li): Moride hromium VI yunide otal Residual Chlorine otal Surpended Solids	05/24/93	05/12/95 05/12/95 05/12/95 05/12/95	2.1U 0.660U 3.4U 1.2U 2.1U 1U 0.01U 0.01U 0.01U	0.60 UN 14.0 B 	86,000 NA 22 19
fercury fickel elernum liver habilium snadium inc NORGANICS - OTHER (Results in me/Lix hloride hromium VI yunide oual Suspended Solids ISS, INORGANICS - OTHER (Results in me/Lix	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	2.1U 0.60U 3.4U 1.2U 2.1U 1U 0.01U 0.01U 0.1U 1U	0.60 UN 14.0 B 21 21	86,000 NA 22 19 NA
ead descury lickel elenium liver hallium eradium nnc NORGANICS - OTHER (Results in me/L): hhoride hromium VI yanide otal Surpended Solids ISS, NORGANICS - OTHER (Results in me/L); horide botal Surpended Solids ISS, NORGANICS - OTHER (Results in me/L); horide boreaum VI	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	2.1U 0.660U 3.4U 1.2U 2.1U 1U 0.01U 0.01U 0.01U	0.60 UN 14.0 B 	0.92 65 515 65.04 86,000 NA 22 19
fercury fickel elernum liver habilium snadium inc NORGANICS - OTHER (Results in me/Lix hloride hromium VI yunide oual Suspended Solids ISS, INORGANICS - OTHER (Results in me/Lix	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	2.1U 0.600 3.4U 1.2U 2.1U 0.01U 0.01U 0.1U 1U	0.60 UN 14.0 B 21 21	86,000 86,000 87,000 88,000 88,000 88,000 88,000 88,000

Definitions:
NA - Not Available
ug/L - micrograms per Liter, parts per billion
mg/L - miligrams per Liter, parts per million
U - Undetected
J - Estimated value
B - Detected in laboratory blank (organics), Reported value less than Contract Required DL
but greater than or equal to instrument DL (inorganics)
- Duplicate analysis not within control limits
DL - Detection limit
E - Estimated value because of presence of interference
N - Spiked sample recovery not within control limits
Blank spaces represent non-detected compounds.

ample ID: BPO-1-95-C-6.2 ab ID: BPO1C6 lutriate Prep Date; 05/08/95	Data Parasas A	D	Method Detection	Result	Acute Water Qual Criteria
DI ATTI TI ODGA NICO CURA (COM).	Date Extracted	Date Analyzed	u•/L	ne/L	ug/L
DLATILE ORGANICS (SW846 8240); olding time: 14 days	l	05/13/95			
celone		03/13/5	100	37	446,000
क्रांका क्रांगिकांची			1000	-	455
nzenê			100		640
omodichiore:nethane			100		NA 1825
omoform omomethane			IOU	·	NA.
Butanone (MEK)			100		161,000 2780
rbon Tetrachloride Chloroethylvinylether			100	· · · · · · · · · · · · · · · · · · ·	17,300
dorobenzene			100		1180
oloroethane oloroform			100		NA 1945
Joromethane			100		NA .
2-Dichloropropane			100	ļ 	10,825 NA
-Dichloroethane 2-Dichloroethane			100		15,440
-Dichloroethene			100		7460 6750
bromochloromethane 2-trans Dichloroethylene			100		1000
-1,2-Dichloroethene			100		303
-1,3-Dichloropropena			100	 	305 2900
ns-1,3-Dichloropropene hylbenzene		l	100		2900 21,400
exanone			100		26,000 11,840
Methyl-2-Pentanone (MIBK) ethylene Chloride			100	110 B	- NA
yrene			100		695
trachloroethylene		ļ	100	ļ	1040 NA
, 1, 2-Tetrachloroethane 1,2,2-Tetrachloroethane			100		1040
luene			100		1650 3025
.1-Trichloroethane		 	100	 	3025
ichloroethene (TCE)			100		2250
nyl Chlonde			100	ļ	NA 1055
ricnes (Total)		 	100		1033
MIVOLATILE ORGANICS (SW846 8170); olding time: 7 days to extract, 40 days to analyze	05/11/95	05/22/95			
enol			100		30,000
(2-chloroethyl)ether Chlorophenol			100		360
I-Dichlorobenzene			100		345 730
I-Dichlorobenzene			100		820
Methylphenol			30U		NA
(2-chloroisopropyl)ether			100		4,545 NA
Methylphenol Nitroso-di-n-propylamine		 	10U		NA
xachloroethane			10U 10U		4,040
phorone		 	100		10,400
Nitrophenol			100		8,000
I-Dimethylphenol		1			
Noble-makenal				2 J	
- Dichlorophenol			100	2,	1,685
-Dichlorophenol ,4-Trichlorobenzene phthalene			10U 10U 10U		1,685 130 135
-Dichlorophenol -A-Trichlorobenzene phthalene Thoroaniline			10U 10U 10U 10U		1,685 130 135 NA 10
- Dichlorophenol ,4-Trichlorobenzene phthalene - Aloroaniline - Aloroaniline			100 100 160 100 100 100		1,685 130 135 NA 10 NA
- Dichlorophenol - A-Tinchlorobenzene phthalene - Diorozniline - xechlorobutdiene (2-Chloroethoxy)methane - Dioro-Imetylphenol (p-chloro-m-cresol)			100 100 100 100 100 100 100		1,685 130 135 NA 10
- Dichlorophenol - (A-Tinchlorobenzene phthalene - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline - Indroumline			10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 NA 10 NA 155 5
-Dichlorophenol -A-Trichlorobenzee phthalene -Informatione			100 100 100 100 100 100 100 100 100		1,685 130 135 NA 10 NA 135 5 5
Dichlorophenol A-Trichlorobenzee phthalene Norozniline xichlorobuddene (2-Chloroethoxy)methane Noro-3-methylphenol (p-chloro-m-cresol) xichlorobydopeniadiene 6-Trichlorophenol 3-Trichlorophenol Noroniphthalene nethylphilaite			10U 10U 10U 10U 10U 10U 10U 10U 30U 10U	2.5	1,685 130 135 135 135 100 135 5 100 134 135 136 137
Dichlorophenol A-Tinchlorobenzene phthalene Dhorosunline tachlorobutdiene (2-Chlorochoxy)methane Dhoro-5-methylphenol (p-chloro-m-cresol) tachlorocyclopenadiene (5-Inchlorophenol J-Inchlorophenol J-Inchlorophenol mitorouphinhalene methyl phthalate methyl phthalate methyl phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 133 135 10 10 10 135 5 5 100 100 100 100 100 100 100 100 10
Dichlorophenol A. Finishrovehenzene phthalene Dichlorophenol A. Chicorophical Colorophical		10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 140 10 NA 155 5 100 NA 2,475 NA 990 85	
Dichlorophenol A. Finishrovehenzene shbialene Alconomine A. Chiorophudiene A. Chiorophudiene A. Chiorophudiene A. Chiorophudiene A. Finishrovehene B. Finishrovehenel A. Finishrovehenel B. Finishrovehenel Chiorophenol Diorophenol Diorophudiene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene Bethyl phdalene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1.685 130 133 133 140 10 10 135 5 5 100 100 100 140 140 140 140 140 140 140
Dichlorophenol A-Trichlorobenzene phthalene Norozniline schlorobutudiene 2-Chloroethoxy/methane hloro-3-methylphenol (p-chloro-m-cresol) schlorobydopentadiene (3-Trichlorophenol 3-Trichlorophenol Norozniphthalene nethyl phthale maphthylene Dinitroohene supphinene Dinitroohene supphinene Dinitroohene supphinene			10U 10U 10U 10U 10U 10U 10U 10U 30U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 NA 10 NA 155 5 100 NA 2,475 NA 990 85 655 2,335
Dichlorophenol A. Finishrorobenzzne shtbalen Diorozuline Norozuline		10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1.685 130 133 133 10 10 10 10 1355 5 5 100 100 100 100 100 100 100 100 1	
Dichlorophenol A-Tinklorobenzzne phthalen Aloroaniline Achlorobutdiene (2-Chloroethoxy)methane Aloro-S-mediyhphenol (p-chloro-m-cresol) Achloro-S-mediyhphenol (p-chloro-m-cresol) Achlorocyclopentadiene (5-Indhorophenol Alorouphthalene nethyl phthalate maphthylene Dinitrolouene maphthylene Dinitrolouene Dinitrolouene Dinitrolouene Hophenol Dinitrolouene Hophenol Dinitrolouene Hophithalate Dinitrolouene Hophithalate Hoprophenol Hoprophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 135 100 100 100 100 100 100 100 100 100 10
Dichlorophenol Affinion of the control of the cont			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 133 133 140 10 10 10 10 135 5 5 100 100 100 100 100 100 100 100 10
Dichlorophenol A Trinkhorobenzzne shbalene hlororaline a Chlorobuddene 1-Chlorosthoxy methane hlororaline 3-Chlorosthoxy methane hlororaline 3-Chlorosthoxy methane hlororaline 5-Trinkhorophenol 5-Trinkhorophenol 5-Trinkhorophenol Hororalphthalene nethyl phthalate maphthyl ene Dinitrosluene maphthene Dinitrosluene maphthene Dinitrosluene maphthene Dinitrosluene maphthene Dinitrosluene maphthene Dinitrosluene typhthalate hlorophenol Horophenol Horophenol Horophenol Horophenyl-phenylether orne Dinitrosluene typhthalate Norophenyl-phenylether orne Dinitrosluene typhthalate Norophenyl-phenylether orne Dinitrosluene Sirvesedinenylyphenol Noroscodinenylyphenol Noroscodinenylyphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 133 133 140 10 10 10 10 10 10 10 10 10 10 10 10 10
Dichlorophenol A-Trichlorobenzene phthalene Norozniline schlorobundene [2-Chloroethoxy]methane]horo-I-methylphenol (p-chloro-m-cresol) sichloroby-lopentadiene (3-Trichlorophenol -S-Trichlorophenol Norozniphthalene nethyl phthalue maphthylene Dimitrobuene maphthene Dimitrobuene maphthene Dimitrobuene maphthalene horozniphthalene maphthylene Dimitrobuene maphthalene Dimitrobuene maphthalene Dimitrobuene maphthalene Dimitrobuene maphthene Dimitrobuene ditrophenol litrophenol litrophenol litrophenol minrocolume morphenyl-phenylether oroznic morphenyl-phenylether oroznic morphenyl-phenylether orozoophenylamine icomophenyl-phenylether			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 135 181 10 10 10 10 10 10 10 10 10 10 10 10 10
Dichlorophenol A-frinklorobenzzne phthalene Aloroaniline Aloroaniline Aloroaniline Aloroaniline Aloroaniline Aloroaniline Aloroaniline Aloroaniline Aloroaniline Aloroaniline Aloroaniline Aloroaniline A-frinklorophenol A-frinklorophenol Aloroaniline Alo			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1.685 130 135 135 100 100 100 100 100 100 100 100 100 10
Dichlorophenol (A Trinkhorobenzzne shbalen Diorozniline (Califorobenzy)methane (Califorobenzy)met			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 130 135 130 135 130 135 130 13
Dichlorophenol A-Trichlorobenzene phthalene Alorozuline schlorobundene (2-Chloroethoxy)methane Aloroz-methyphenol (p-chloro-m-cresol) sixhloropyclopentudiene (3-Trichlorophenol 3-Trichlorophenol 3-Trichlorophenol Moroupshalme nethyl phthalene nethyl phthalene nethyl phthalene nethyl phthalene nethyl phthalene nethyl phthalene nuphthylene Dinitrotolene nuphthene Dinitrotolene ilizophenol lizophenol Dinitrotolene thyphthalate Alorophenyl-phenylether orene Duntto-Z-methylphenol Nitrosodiphenylamine romophenyl-phenylether tomophenyl-phenylether texchiorobenzene tackhorobenzene tackhorobenzene tackhorobeniol manthurene thracene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 130 131 130 131 13
Dichlorophenol A-Trishlorobenzane phthalene Alforoamine accidence with the second seco			100 100 100 100 100 100 100 100 100 100		1,685 130 133 135 136 137 138 13
Dichlorophenol A-Tinkhorobenzzne phthalen Alorosanime Aschlorobuudiene Aschlorobuudiene Aschlorobuudiene Aschlorobuudiene Aschlorobuudiene Aschlorophenol Aschlorophenol Aschlorophenol Aschlorophenol Aschlorophenol Aschlorophenol Dinitrolophenol		10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,683 130 133 135 135 140 14	
- Dichlorophenol - A Trichlorophenol - A Trichloropheno - Androan- Androan - Androan			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 133 135 136 137 138 13
- Dichlorophenol - A Trichlorobenzene phthalene - Aloroaniline xachlorobuudiene (2-Chloroaniline xachlorobuudiene (2-Chloroaniline xachlorobuudiene (3-Chloroaniline xachlorobuudiene (3-Trichlorophenol (3			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 137 100 138 100 139 100 100 100 100 100 100 100 100 100 10
- Dichlorophenol - A Trichlorobenzene phthalene - Aloroaniline xachlorobuudiene (2-Chloroaniline xachlorobuudiene (2-Chloroaniline xachlorobuudiene (3-Chloroaniline xachlorobuudiene (3-Trichlorophenol (3			100 100 100 100 100 100 100 100 100 100		1,685 130 133 133 134 140 14
- Dichlorophenol - A Trichlorophenol - A Trichlorophenol - Schlorosalible			100 100 100 100 100 100 100 100 100 100	21	1,685 130 133 135 136 137 138 13
- Dichlorophenol - A Tinklorophenol - A Tinklorophenzene phthalene - Dorosunline rachlorobutudiene (2-Chorosthoxy)methane - Dioros-S-methylphenol (p-chloro-m-cresol) rachloroy-clopentadiene - B Tinklorophenol - B Tinklorop			100 100 100 100 100 100 100 100 100 100		1,685 130 130 131 130 131 13
- Dichlorophenol - A Trichlorophenol - B Trich			100 100 100 100 100 100 100 100 100 100		1,685 130 130 131 130 131 13
- Dichlorophenol 2. Trinchorobenzene phthalene Chorosankine xxchorobundiene (2. Chorosankine xxchorobundiene (3. Chorosankine xxchorobundiene (3. Chorosankine xxchorophenol xxchorocyclopenadiene (3. Trinchorophenol 3. Trinchorophenol Dichorouphthalene methyl phthalate enaphthylene S. Dinitrotolaene enaphthiene S. Dinitrotolaene enaphthene S. Dinitrotolaene enaphthene S. Dinitrotolaene ethylphthalate Zhorophenol Nitrophenol Nitrophenol Nitrophenol Nitrophenol Sitrophenol Sitrophenol Sitrophenol Endorophenyl-phenylether torene S. Dinitrotolaene ethylphthalate Endorophenyl-phenylether torene S. Dinitrotolaene ethylphthalate Stachorobenziene mischlorophenol enanthrene thracene enanthrene thracene erne (2. Edivlexyl) phthalate S. Dicklorobenzidine mixel annthracene tryene (2. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phthalate S. Dicklorobenzidine Mixel (3. Edivlexyl) phtha			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,683 130 133 NA 100 NA 100 NA 155 5 100 NA 2,475 NA 990 85 2,335 1,590 4,000 NA NA NA 103 104 NA 105 105 NA 100 NA NA 105 NA NA 106 NA NA NA NA NA NA NA NA NA NA NA NA NA
- Dichlorophenol - A Trichlorophenol - A Trichlorophenol - Callorosalline			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 133 135 136 137 138 13
- Dichlorophenol - A Trichlorophenol - A Trichlorophenol - Aloro- Imedia (2 - Chloroethoxy) methane - Aloro- Imedia (3 - Chloroethoxy) methane - Aloro- Imedia (3 - Chloroethoxy) methane - Aloro- Imedia (3 - Trichlorophenol - Aloro- Imedia (3 - Trichlorophenol - Borouphilalene - Imedia (3 - Trichlorophenol - Dinivooluene - Imedia (3 - Trichlorophenol - Dinivooluene - Implicate - Dinivooluene - Implicate - Dinivooluene - Implicate - Dinivooluene - Implicate - Dinivooluene - Implicate - Dinivooluene - Implicate -			100 100 100 100 100 100 100 100 100 100		1,685 130 133 135 136 137 138 13
Dichlorophenol A Trichlorophenol A Trichlorophenol A Trichlorobenzene phthalene Aloroaniline Aschlorobuddene (2-Chloroethoxy)methane Aloroaniline Aschlorobuddene (3-Chlorophenol (p-chloro-m-cresol) Aschlorophenol -Chrichlorophenol -Chrichlorophenol -Chrichlorophenol -Chrichlorophenol -Christophenol -Dinitrotolaene emphthylene -Dinitrotolaene emphthylene -Dinitrotolaene emphthiene -Dinitrotolaene emphthylene -Dinitrotolaene ethylphthalate -Dinitrotolaene ethylph			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 130 131 13

Sample ID: BPO-1-95-C-6.2 Lab ID: BPO1C6			Method Detection		Acute Water Quality
Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Limit ug/L	Result	Criteria ve/L
DISS. SEMIYOLATILE ORGANICS (SW846 8270); Holding time: 7 days to extract, 40 days to analyze	05/12/95	05/23/95	352	, uz., p	
Phenol	03/12/3	03/23/93	100		100
bis(2-chloroethyl)ether 2-Chlorophenol	 	 	100	 	30,000 560
1,3-Dichlorobenzene 1,4-Dichlorobenzene			100		345 730
1,2-Dichlorobenzene		 	100	 	820
2-Methylphenol			160		NA.
bis(2-chloroisopropyl)ether 4-Methylphenol	 	 	100	 	4,545 NA
N-Nitroso-di-n-propylamine			100		NA
Hexachloroethane Nitrobenzene		 	100	 	4,040
Isophorone			100		10,400
2-Nitrophenol 2,4-Dimethylphenol		 	100	ļ	8,000
(2.4-Dichlorophenol	<u> </u>		100		1,683
1,2,4-Trichlorobenzene Naphthalene	4		100		130
4-Chloroaniline	1	 	100	 	NA NA
Hexachlorobutadiene bu(2-Chloroethoxy)methane	4		100		10 NA
4-Chloro-3-methylphenol (p-chloro-m-cresol)	 	 	100	 	133
Hexachlorocyclopentadiene 2.4,6-Trichlorophenol			100		3
12.4.5-Trichlorophenol	 	 	300	 	100
2.4.5-Trichlorophenol 2-Chloronaphthalene			100		NA
Dimethyl phthalate Accuaphthylene	 	 	100	 	2,475 NA
2.6-Duritrotohiene			100		990
Acenaphthene 2,4-Dautrophenol			10U 50U		85 655
4-Nitrophenol	<u> </u>		300	 	2.335
2,4-Disurotoluene Diethylphthalate			100		1,390 4,000
4-Chlorophenyl-phenylether			100	<u> </u>	NA
Fluorene 4,6-Dinitro-2-methylphenol			100		NA
N-Nitrosodiphenylamine	+	 	30U 10U	 	NA 295
4-Bromophenyl-phenylether			100		270
Hexachlorobenzene Pentachlorophenol	 		10U 30U	ļ	NA e (1.005(pH)-4,830)
Phenanthrene	<u> </u>		100		3
Anthracene Di-n-butyl phthalate	 		100		1 NA 103
Phoranthene	 		100	·	200
Pyrene			100		NA
Butylbenzyl phthalate 3,3'-Dichlorobenzidine	 	ļ	10U 20U		140 NA
Benzo(a)anthracene			10		0.5
Curysene Bis(2-Ethylhexyl)phthalate			100	1 1	NA NA
Di-n-octyl phthalate	1		100		100
Benzo(k)fluoranthene Benzo(k)fluoranthene			100		NA NA
Benzo(a)pyrene (BaP)	 		100		NÃ
Benzo(s)pyrene (BaP) Indeno(1,2,3-ed)pyrene Dibenz(a,h)anthracene			100		NA NA
Libertz aln vanturacene			10U		
Benzo(g.h.i)perylene					
Benzo(g,h,i)perylene N-nitrosodimethylamine			16U 160U		NA 17,100
Benzo(g,h,i)perylene N-nitrosodimethylamine Benzidine			16U 160U 160U		NA 17,100 293
Benzo(g,h,i)perylene N-nitrosodimethylamine			16U 160U		NA 17,100
Benzo(g,h.)perylene N-nirosodimethylamine Benzidine 1.2-Diphenyl-n-hydrazine Benzyl Alcohol			10U 100U 100U 100U		NA 17,100 295 15
Benzo(g,h.)perylene N-nirosodimethylamine Benzidine 1.2-Drphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/18/95	16U 100U 100U 100U		NA 17,100 295 15 NA
Benzo(g,h.)perylene Nnivosodimethylamine Benzidine 1.2-Diphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SWB46 8080) Holding time: 7 days to extract, 40 days to analyza alpha-BHC	05/10/95	05/18/95	16U 100U 100U 100U 10U		NA 17,100 293 15 NA
Benzoig, Liperylene N-nivosodimethylamine Benzodine 1.2-Diphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SWB46 8080) Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC	05/1093	05/18/95	16U 160U 160U 160U 10U 0.0SU 0.0SU		NA 17,100 293 15 NA NA
Benzoig, Liperylene N-nivosodimethylamine Benzodine 1.2-Diphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SWB46 8080) Holding time: 7 days to extract, 40 days to analyza alpha-BHC beta-BHC deta-RHC	05/1093	05/18/95	16U 160U 160U 160U 10U		NA 17,100 295 15 NA
Bernofg, Liperylene N-nitrosodurethylamine Bernodine 1.2-Diphenyl-n-hydrazine Bernyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza ajnha-BHC beta-BHC detra-BHC detra-BHC detra-BHC Heptachlor Aldrin	05/10/93	05/18/95	16U 160U 160U 100U 10U 10U 0.0SU 0.0SU 0.0SU 0.0SU		NA 17,100 293 15 NA NA NA NA NA 1 0,26
Bennoigh, i)perylene Nnivosodimethylamine Bennoidine 1.2-Driphenyl-n-hydrazine Bennyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza alpha-BHC beta-BHC deta-BHC deta-BHC guruna-BHC (Lindane) Hepachlor Aldrin	05/1093	03/18/95	16U 160U 160U 160U 16U 16U 0.03U 0.03U 0.03U 0.03U 0.03U 0.03U		NA 17,100 295 15 NA NA NA NA NA 1 0,26 1.5 0.3
Benzofg, Liperylene N-nirosodimethylamine Benzidine 1.2-Diphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC deta-BHC gumus-BHC (Lindane) Hepsachlor Aldrin Hepsachlor Epoxide Endovalian Dieldrin	05/10/95	05/18/95	10U 100U 100U 100U 10U 10U 0.03U 0.03U 0.03U 0.03U 0.03U 0.03U 0.03U		NA 17,100 295 15 NA NA NA NA 1 0,26 1.5 0,5 0,11
Bennoigh, i)perylene N-nivosodimethylamine Bennoidine 1.2-Driphenyl-n-hydrazine Bennyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza alpha-BHC beta-BHC deta-BHC 5/10/93	05/18/95	16U 160U 160U 160U 10U 10U 0.0SU 0.0SU 0.0SU 0.0SU 0.0SU 0.0SU 0.0SU 0.0SU		NA 17,100 293 13 NA NA NA NA 1 0,26 1.5 0.5 0.11	
Bennoigh, i)perylene Nnivosodimethylamine Bennoidine 1.2-Driphenyl-n-hydrazine Bennyl Alcohol PESTICIDES/PCBS (SWB46 8080) Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC deta-BHC deta-BHC gamma-BHC (Lindane) Heppachlor Aldrin Heppachlor Bennoidina i Dieldrin 4.6-DDB Endornilan i Dieldrin 4.6-DDB Endornilan II	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 295 15 NA NA NA NA 1 0,26 1.5 0.5 0.5 0.5 0.09
Bernofg, A. iperylene Nnirosodumethylamine Benndine 1.2-Diplemyl-n-hydrazine Bennyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze ipha-BHC beta-BHC gumna-BHC (Lindane) Hepachlor Aldrin Hepachlor Epoxide Endownlan I Dieldrin Dieldrin Dieldrin Endownlan I Endownlan II Endo	05/10/95	05/18/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U		NA 17,100 295 13 NA NA NA NA NA 1 0,26 1.5 0,3 0,11 1.23 0.55 0.09
Bernoigh, i)perylene Nnirosodumethylamine Bernoidine 1.2-Diphenyl-n-hydrazine Bernyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza ajpha-BHC beta-BHC german-BHC (Lindane) Hepsachlor Aldrin Hepsachlor Epoxide Endorullan 1 Dieldrin 4.6-DDB Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan Sulfate 64-DDB Endorullan Sulfate 64-DDB Endorullan Sulfate 64-DDB Endorullan Sulfate 64-DDB Endorullan Sulfate 64-DDB Endorullan Sulfate	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 293 13 NA NA NA NA NA 1 0,26 1.5 0.5 0.11 1.23 0.55 0.09 0.11
Bernoigh, i)perylene Nnirosodumethylamine Bernoidine 1.2-Diphenyl-n-hydrazine Bernyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza ajpha-BHC beta-BHC german-BHC (Lindane) Hepsachlor Aldrin Hepsachlor Epoxide Endorullan 1 Dieldrin 4.6-DDB Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan I Endorullan Sulfate 64-DDB Endorullan Sulfate 64-DDB Endorullan Sulfate 64-DDB Endorullan Sulfate 64-DDB Endorullan Sulfate 64-DDB Endorullan Sulfate	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 295 13 NA NA NA NA 1 0,26 1,5 0,5 0,11 1,23 0,35 0,11 0,35 0,11 0,35 0,11 0,35 0,11
Benzoigh, i)perylene N-nirosodumethylamine Benzdine 1.2-Diphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SWB46 8080) Holding time: 7 days to extract, 40 days to analyza ipha-BHC beta-BHC beta-BHC deta-BHC deta-BHC deta-BHC Aldrin Hepachlor Aldrin Hepachlor Epoxide Endorulfan 1 Dieldrin 4DDI (p.p-TDE) Endorulfan II 4DDI (p.p-TDE) Endorulfan II 4DDI (p.p-TDE) Endorulfan II 4DDI (p.p-TDE) Endorulfan Sulfate 4DDI Endorulfan II 4DDI (p.p-TDE) Endorulfan Sulfate 4DDI (p.p-TDE)	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 293 15 NA NA NA NA NA 1 0,26 1,5 0,3 0,11 1,23 0,35 0,09 0,11 0,55 0,55 NA NA
Benzoigh, i)perylene N-nirosodumethylamine Benzdine 1.2-Diplenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza 12ha-BHC beta-BHC beta-BHC delta-BHC german-BHC (Lindane) Hepschlor Aldrin Hepschlor Epoxide Endorulfan I Dicldrin 4 d-1DDE Endorulfan II 4 d-2DDB Endorulfan II 4 d-2DDB Endorulfan II 4 d-2DDB Endorulfan II 4 d-2DDB Endorulfan II 4 d-2DDB Endorulfan II Betaldrin	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 295 15 NA NA NA NA NA 10 0,26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.355 NA NA NA NA NA NA NA NA NA NA NA NA NA
Benzo(g,h.)perylene N-nirosodumethylamine Benzidine 1.2-Diphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze ighta-BHC beta-BHC genna-BHC (Lindane) Heptachlor Aldrin Heptachlor Epoxide Endownlan Dieldrin Dieldrin Endownlan	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 295 15 NA NA NA NA 1 0,26 1.5 0.5 0.11 1.22 0.55 0.99 0.11 0.55 NA NA 1.12 1.22
Bernoigh, i)perylene Nnirosodumethylamine Benndine 1.2-Diphenyl-n-hydrazine Bennyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC gurma-BHC (Lindane) Hepsachlor Aldrin Hepsachlor Epoxide Endoralfan i Dieldrin Endosvilan II 44-DDB (pp-1DB) Endorulfan III Endosvilan III 44-DDB (pp-1DB) Endorulfan IIII Endosvilan III Ed-DDB (pp-1DB) Endorulfan IIIII Endosvilan IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	05/10/95	05/18/95	10U 100U 100U 100U 100U 100U 100U 100U		NA 17,100 293 15 NA NA NA NA NA 10 0,26 1,5 0,3 0,11 1,23 0,35 0,09 0,11 0,55 NA NA NA NA NA NA NA NA NA NA NA NA NA
Bennoigh, i)perylene N-nitrosodimethylamine Bennoidine 1.2-Diphenyl-n-hydrazine Bennyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze ipha-BHC beta-BHC gumus-BHC deta-BHC gumus-BHC (Lindane) Hepachlor Aldrin Hepachlor Epoxide Endovalian I Dieldrin 44-DDB Endorulfan I Endorulfan I Endorulfan I Endorulfan I Endorulfan I Endovalfan II Endorulfan Sülfate 44-DDT Methoxychlor Endorulfan Sülfate 14-DDT Methoxychlor Endorulfan Sülfate 14-DDT Methoxychlor Endrin Aldolyde Lipha-Chlordane Meta Garaphene Londorulfan Eddyde Lipha-Chlordane Meta Meta Meta Meta Meta Meta Meta Met	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 293 15 NA NA NA NA NA NA NA NA NA NA NA NA NA
Benzofg, Liperylene Nnirosodumethylamine Benzdiane 1.2-Diphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze sipha-BHC beta-BHC gumna-BHC (Lindane) Hepschlor Aldrin Hepschlor Aldrin Hepschlor Epoxide Endorallan I Dieldrin 4-C-DDD (p.p'-TDE) Endorallan I Endersulan II 4-C-DDD (p.p'-TDE) Endorallan I Methoxychlor Endorallan I Dieldrin Salfate 4-DDI Methoxychlor Endorallan I Methoxychlor Endorallan I Methoxychlor Endorallan Endorallan I Methoxychlor Endorallan I Methoxychlor Endorallan Endorallan I Methoxychlor Endorallan Endorallan I Methoxychlor Endorallan Endorallan I Methoxychlor Endorallan Endorallan I Methoxychlor Endorallan Endorallan Endorallan Endorallan Endorallan I Methoxychlor Endran Aldehyde sipha-Chlordane Enganna-Chlordane Enganna-Chlordane Maret	05/10/95	05/18/95	10U 100U 100U 100U 100U 100U 100U 100U		NA 17,100 295 15 NA NA NA NA NA NA NA 1 0,26 1,3 0,5 0,11 1,25 0,55 0,11 1,25 0,55 0,11 1,25 0,55 0,11 1,21 1,21 1,21 1,21 1,21 1,21 1,21
Benzofg, Liperylene N-nitrosodumethylamine Benzdine 1.2-Diplenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza ajnha-BHC beta-BHC delta-BHC delta-BHC delta-BHC delta-BHC delta-BHC Aldrin Hepschlor Aldrin Hepschlor Epoxide Endorulfan 1 Dieldrin 4 c-DDD (pTDB) Endorulfan 1 Dieldrin 4 c-DDD (pTDB) Endorulfan Sulfate 4 c-DDD (pTDB) Endorulfan Sulfate 4 c-DDD (pTDB) Endorulfan Sulfate 4 c-DDD (e.pTDB) Endorulfan Sulfate 5 c-DD (e.pTDB) Endorulfan Sulfate 5 c-DD (e.pTDB) Endorulfan Sulfate 5 c-DD (e.pTDB) Endorulfan Sulfate 5 c-DD (e.pTDB) Endorulfan Sulfate 5 c-DD (e.pTDB) Endorulfan Sulfate 5 c-DD (e.pTDB) Endorulfan Sulfate 5 c-DD (e.pTDB) Endorulfan Sulfate 5 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD (e.pTDB) Endorulfan Sulfate 6 c-DD	05/10/95	05/18/95	10U 100U 100U 100U 100U 100U 100U 100U		NA 17,100 295 115 NA NA NA NA NA NA NA 1 0.26 1.5 0.3 0.11 1.25 0.35 0.11 0.11 1.25 0.35 0.11 1.25 0.35 0.75 0.75 NA NA NA NA NA NA NA NA NA NA NA NA NA
Bernotgh_iperylene N-nitrosodumethylamine Benndine 1.2-Diphenyl-n-hydrazine Benndine 1.2-Diphenyl-n-hydrazine Bennzyl Alcohol PESTICIDESPCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze ipha-BHC beta-BHC gumna-BHC delta-BHC gumna-BHC (Lindane) Hepschlor Aldrin Hepschlor Aldrin Hepschlor Epoxide Endovalian i Dieldrin Dieldrin Endovalian i Dieldrin Endovalian i Dieldrin Endovalian i Mc4-DDD (pp-TDB) Endovalian i Mc4-DD (pp-TDB) Endovalian i Mc4-DDD (pp-TDB) Endov	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 293 15 NA NA NA NA NA NA NA 1 0,26 1.5 0.5 0.11 1.25 0.55 0.11 0.55 NA NA NA NA NA NA NA NA NA NA NA NA NA
Benzofg, Liperylene N-nitrosodumethylamine Benzdine 1.2-Diplenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze zipha-BHC beta-BHC delta-BHC german-BHC (Lindane) Hepschlor Aldrin Hepschlor Epoxide Endorulfan I Dicldrin 4 d-DDB (pp-TDB) Endorulfan II 4 d-DDB (pp-TDB) Endorulfan III 4 d-DDB (pp-TDB) Endorulfan III 4 d-DDB (pp-TDB) Endorulfan III 4 d-DDB (pp-TDB) Endorulfan III 4 d-DDB (pp-TDB) Endorulfan III 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DDB (pp-TDB) Endorulfan Sulfate 4 d-DB (pp-TDB) Endorulfan Sulfate 4 d-DB (pp-TDB) Endorulfan Sulfate 4 d-DB (pp-TDB) Endorulfan Sulfate 4 d-DB (pp-TDB) Endorulfan II 4 d-DB (pp-TDB) E	05/10/95	05/18/95	10U 100U 100U 100U 100U 100U 100U 100U		NA 17,100 295 115 NA NA NA NA NA NA NA 1 0.26 1.5 0.3 0.11 1.25 0.35 0.11 0.11 1.25 0.35 0.11 1.25 0.35 0.75 0.75 NA NA NA NA NA NA NA NA NA NA NA NA NA
Benzofg, A.) perylene Nnirosodumethylamine Benzdiane 1.2-Diphenyl-nhydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze ipha-BHC beta-BHC gumus-BHC (Lindane) Hepachlor Aldrin Hepachlor Aldrin Hepachlor Epoxide Endownlan 1 Deldrin Hepachlor (D. py-TDB) Endownlan 1 Endownlan 1 Endownlan 1 Endownlan 1 Get-Poble (J. py-TDB) Endownlan 1 Endownlan 1 Get-Poble (J. py-TDB) Endownlan 1 Get-Poble (J. py-TDB) Endownlan 1 Get-Poble (J. py-TDB) Endownlan 1 Get-Poble (J. py-TDB) Endownlan 2 Get-Poble (J. py-TDB) Endownlan 3 Get-Poble	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 293 18 NA NA NA NA NA NA NA NA NA NA NA NA NA
Bernotgh, Jiperylene Nnirosodumethylamine Benndine 1.2-Diphenyl-n-hydrazine Benndine 1.2-Diphenyl-n-hydrazine Benndine 1.2-Diphenyl-n-hydrazine Benndine 1.2-Diphenyl-n-hydrazine Benndine 1.2-Diphenyl-n-hydrazine Benndine Holding time: 7 days to extract, 40 days to analyze 19ha-BHC beta-BHC gamma-BHC (Lindane) Hepschlor Addrin Hepschlor Addrin Hepschlor Epoxide Endoralian I 4-DDB Endoralian I 4-DDB Endoralian II 4-DDB Endoralian II 4-DDB Endoralian II 6-DDB End	05/10/95	05/18/95	16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 295 15 NA NA NA NA NA NA 1 0,26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.55 0.11 0.35 NA NA NA NA NA NA NA NA NA NA NA NA NA
Benzo(g, h.)perylene Nnirosodumethylamine Benzidine 1.2-Diphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC germa-BHC (Lindane) Heptachlor Aldrin Heptachor Epoxide Endoralifan Dicidrin E			10U 100U 100U 100U 100U 100U 100U 100U		NA 17,100 293 15 NA NA NA NA NA NA 1 0,26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.555 NA NA NA NA NA NA NA NA NA NA NA NA NA
Benzoigh, Jiperylene N-nitrosodimethylamine Benzdine 1.2-Diphenyl-n-hydrazine Benzyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza ipha-BHC beta-BHC delta-BHC german-BHC (Lindane) Hepschlor Aldrin Hepschlor Epoxide Endorulfan 1 Dicldrin 4 c-DDB Endorulfan 1 Dicldrin 4 c-DDB (pp-TDB) Endorulfan 1 McHorychlor Epoxide Endorulfan 1 McHorychlor Epoxide Endorulfan 1 A-DDI (pp-TDB) Endorulfan Sulfate 4 c-DDB (pp-TDB) Endorulfan Sulfate 1 c-DD (pp-TDB) Endorulfan Sulfate 2 c-DD (pp-TDB) Endorulfan Su			16U 160U 160U 160U 160U 160U 160U 160U 1		NA 17,100 293 15 NA NA NA NA NA NA NA NA NA NA NA NA NA
Benos(p, L)perylene N-nirosodumethylamine Benodine 1.2-Diphenyl-n-hydrazine Benodine 1.2-Diphenyl-n-hydrazine Benozyl Alcohol PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze lipha-BHC beta-BHC delta-BHC german-BHC (Lindane) Hepschlor Aldrin Hepschlor Epoxide Endorulfan I Dickfrin 4 d-DDD (p, PTDE) Endorulfan II 4 d-DDD (p, PTDE) Endorulfan II 4 d-DDD (p, PTDE) Endorulfan II 4 d-DDD (m, PTDE) Endorulfan II 4 d-DDD (m, PTDE) Endorulfan II 4 d-DDD (m, PTDE) Endorulfan II 4 d-DDD (m, PTDE) Endorulfan II 4 d-DDD (m, PTDE) Endorulfan Sulfate 4 d-DDI Methoxychlor Endrin Ketone Endrin Aldchyde Lupha-Chlordane Burna-Chlordane Burna-BhC (Lindane) Lepschlor Liss BHC Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Lepschlor Liss-BHC (Lindane) Liss-			10U 100U 100U 100U 100U 100U 100U 100U		NA 17,100 295 15 NA NA NA NA NA NA 1 0,26 1,5 0,5 0,11 0,25 0,35 0,11 0,35 0,37 0,37 0,37 0,37 0,37 0,37 0,37 0,37
Bernoff, A. iperylene Nnitrosodimethylamine Bernodine 1.2-Diplemyl-n-hydrazine Bernodine 1.2-Diplemyl-n-hydrazine Bernodine 1.2-Diplemyl-n-hydrazine Bernodine 1.2-Diplemyl-n-hydrazine Bernodine 1.2-Diplemyl-n-hydrazine Bernodine 1.2-Diplemyl-n-hydrazine Bernodine 1.2-Diplemyl-n-hydrazine 1.2-D			10U 100U 100U 100U 100U 100U 100U 100U		NA 17,100 293 15 NA NA NA NA NA NA NA 1 0,26 1,5 0,5 0,11 1,25 0,55 0,11 1,25 0,55 0,11 1,25 0,55 0,11 1,23 0,37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Bernofgh.jperylene N-nitrosodumethylamine Benndine 12-Diphenyl-n-hydrazine Benndine 12-Diphenyl-n-hydrazine Bennyl Alcohol RESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza alpha-BHC beta-BHC gurma-BHC (Lindane) Hepachlor Aldrin Hepachlor Epoxide Endoralfan 1 Dieldrin Hepachlor Epoxide Endoralfan 1 Dieldrin Hepachlor Epoxide Endoralfan 1 Dieldrin Endoralfan 1 Di			10U 100U 100U 100U 100U 100U 100U 100U		NA 17,100 293 15 NA NA NA NA NA 1 0,26 1,5 0,5 0,11 1,25 0,35 0,11 0,55 0,55

.....

Sample ID: BPO-1-95-C-6.2 Lab ID: BPO1C6 Clutriate Prep Date: 05/08/95	Data Parasa	Date Assistant	Method Detection Limit	Result	Acute Water Qu Criteria
A-DUE	Date Extracted	Date Analyzed	0.10U	ne/L	up/L 0.33
ndrin			0.09U		0.09
ndosulfan II			0,10U		0.11
,4'-DDD (p,p'-TDE) ndosulfan Sulfate			0.10U 0.10U		0,55
4'-DDT			0.100	 	0.11
fethoxychlor		 	0.300	 	NA NA
lethoxychlor ndrin Ketone			.0100		NA.
ndrin Aldehyde			0.10U		NA
pha-Chlordane			0.05U	ļ	1.2
mms-Chlordane			0.05U	<u> </u>	1.2
urex		 	0,10U 1,00U	 -	NA 0,37
oxaphene roctor-1016			0.500	 	2
roclor-1221		· · · · · · · · · · · · · · · · · · ·	0.500	 	
roclor-1232			0.500		
rocior-1242		i	0.300		2
roclor-1248			0.500		2
roclor-1254			0.500		2
roclor-1260			0.500		2
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):	2511005	252505	·		-
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/25/95	1.00		0.063
printed the state of the state		 	1.00	1	0.083
mark liman		 	1.00		0.003
ICE ODCINODUOEDUODUE CONTRAIDUS CONTRAID	n.	 		1	
ISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140 olding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95			
rathion	- V21073	1 25,547,7	1.00	 	0.063
hlorpynioe	 	1	1.80	1	0.083
LCOHOLS/ALDEHYDES (SW846 Modified 8015):	ł	1			
olding time: None		05/17/95		1	
		V. 1173	60001	1	
ermaldetryde		 	5000U 5000U	 	2180 227,750
Propanol Propanol	+	 	30000	 	443,165
110,000	- 			 	443,103
ISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):				1	
olding time: None	1 _	05/12/95		i I	
rmaldehyde			3000U		2180
Propanol		1	5000U		2180 227,750
Propinal			30000		443,165
ORGANICS - TOTAL METALS (SW846 6000/7000);	05/18/95	05/20/95		1 1	
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		1	i
uminum			43.8U	33,600	750
ntonony		 	3.6U	3.6 UN	88
Tenic .	· ·		1.6U	17.2 N 415 N*	360
Lri Win			7.90		20,500
ryllium			0.20U	12.7	NA.
oron			34.9U	1112	8030
drium romium III		-	0.30U IU	0.64 B 271	1.79 984.32
balt			2.10	32.4 BE	95
pper			0.9U	314 N°	9.22
ad	+	 	2.10	134 •	33.78
тсигу	5/26/95, 5/31/95	06/05/93	0.20U		2.4
ckel			3.8U	85.2 EN	789.01
eniun			2.10	5.6 N	20
ver			0.60U 3.4U	0.60 UN	0.92
allium nadium			1.20	3.4 UN 267 EN	65 515
nadium nc	+	 	2.10	464 EN	65.04
···		 	2.10	The second secon	03.04
ORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95		1	
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U		750
minum hmony			3.80	573	750
neruc e e e e e e e e e e e e e e e e e e e	- 	 	1.80	 	360
Tun .	1		7.90	296	20,300
yllium			0.20U	0.33 B	NA.
ron			34.90	121	8050
innun			0,30U		1.79
romium III balt	 		2.10	 	984.32 95
pper	 		0.90	863	9.22
id.	+		2.10	6.6	33.78
retury	05/24/95	05/31/95	0.200	0.31	2.4
kel			3.8U		789.01
ennum			2.10		20
'a			0.600	0.60 UN	0.92
dium nadium	· {		3.4U 1.2U	8.2 B	65 515
c c	 		2.10	76.6	65.04
				Section and the second control of	
ORGANICS - OTHER (Results in mo/L):	1	<u>-</u>			
oride	, 1	05/12/95	ານ	20	86,000
omium VI		05/12/95	0.01U		NA NA
unide		05/22/95	0.010		22
al Residual Chlorine		05/12/95	0.10		19
al Suspended Solids	ļ	05/12/95	1U	2300	NA NA
	 				
SS. INORGANICS - OTHER (Results in me/L):	1 1		រប	l l	00.000
N. M. OKOKOKO - O LILEK IKANIO III MEMIL			E13	20	86,000
oride	ļ I	05/22/95			111
oride omium VI		05/12/95	0.010		NA
ornide romium VI suide al Rendual Chlorine		05/12/95 05/12/95 05/12/95			NA 22 19

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Brimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicites analysis sow within control limits

DL - Detection limit

E - Brimated value because of the presence of interference

N - Spiked sample not within control limits

Blank spaces represent non-detected compounds.

Sample ID: BPO-2-95-C-0.0 Lab ID: BPO2C0 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result vg/L	Acute Water Quality Criteria ug/L
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days Aprone		05/13/95 05/15/95 rerun	100	340 D	446,000
Acrolem		ODI DYSTEIUI	100U	340 D	455
Acrylonitrile Berrene			100U		645
Bromodichloromethane			100		NA NA
Bromoform			10U 10U		1825 NA
Bromomethane 2-Butanone (MEK)			100		161,000
Carbon Tetrachloride			100		2780
2-Chloroethylvinylether Chlorobenzene			100		17,500
Chloroethane			100		NA .
Chloroform			100		1945 NA
Chloromethane 1.2-Dichloropropane			100		10,825
1,1-Dichloroethane			100		NA 15,440
1.1-Dichloroethane		-	100		7460
Dibromochloromethane			100		6750
1.2-mns Dichloroethylene cs-1.2-Dichloroethene			10U		1000
cis-13-Dichloropropene			100		305
trans-1,3-Dichloropropene Ethylbenzene			100		2900 21,400
2-Hexanone			100		26,000
4-Methyl-2-Pentanone (MIBK)			100		11,840
Metrylene Chloride		 	30U 10U	15 JBD	NA 693
Tetrachloroethylene			100		1040
1.1.1.2-Tetrachioroethane			100		NA 1040
1,1,2,2-Tetrachloroethane Toluene			100		1650
,1,1-Trichloroethane			100		3025
I.1.2-Trichloroethane Inchloroethene (TCE)		 	100		3390 2250
Vinyl Chloride			100		NA.
Xylenes (Total)			100		1033
SEMIVOLATILE ORGANICS (SW846 8279); Holding time: 7 days to extract, 40 days to analyze	05/11/95	05/22/95			
Phenot	03/11/93	031273	100		100
ns 2-chloroethyl)ether			100		30,000 360
2-Chlorophenol 1-3-Dichlorobenzene			100		345
,4-Dichlorobenzene			100		730
,2-Dichlorobenzene I-Methylphenol			100		820 NA
restriction (2-chlorosopropyl)ether			100		4,545
l-Methylphenol			100	2 J	NA NA
N-Nirroso-di-n-propylamine Hexachloroethane		 	100		60
Vitrobenzene			100		4,040 10,400
sophorene I-Narophenol		 	100		8,000
2,4-Dimethylphenol			100	3 7	660
2.4-Dichlorophenol		 	100		1,685
Vaphthalene			100		135
l-Chloroaniline Hexachlorobutadiene		ļ	10U 10U		NA IO
ne:2-Chloroethoxy)methane	—	-	100		NA
I-Chloro-3-methylphenol (p-chloro-m-cresol)			100		155
dexachlorocyclopentadiene 2,4,6-Trichlorophenol			100		1 3
4.4.2-Trichlorophenol			300		100
-Citoronaphthalene			10U		NA 2,475
Dimethyl phthalate Aceraphthylene			100		NA.
.6-Diniwotoluene	·		100		990
A cenaphthene 2,4-Dinitrophenol			500		655
Nigrophenol			SOU		2,335
4-Dinitrotoluene			100		1,590
Diechylphthalate -Chlorophenyl-phenylether			100		4,000 NA
morene			100		NA
,6-Dinitro-2-methylphenol Nitrosodiphenylamine			50U 10U		NA 295
-Bromophenyl-phenylether			100		270
lexachlorobenzene			100		NA
enachlorophenol heranthrene			30U 10U		e (1.003(pH)-4,830)
Intracene			100		NA .
h-n-butyi phthalate Inoranthene			100	-	105
roominines Yrene			100		NA NA
Survibenzyl phthalate			10U		140
3'-Dichlorobenzidine			200		0,3
enzo(a)anthracene hrvsene		+	100		NA
is; 2-Ethylhexyl)phthalate			100		NA
h-n-octyl phthalate		T	100		100 NA
enzo(b)fluoranthene enzo(k)fluoranthene		 †	100		NA
erzo(a)pyrene (BaP) ndeno(1,2,3-cd)pyrene			100		NA NA
ndeno(1,2,3-ed)pyrene hbern(a,h)anthracene			10U 10U		NA NA
crato(g,h,i)perylene			100		NA
-nirosodimethylamine		+	1000		17,100 295
-nivosodimethylamine enzidine 2-Diphenyl-n-hydrazine			1000		293 15
-ncrosodimethylamine enzidine			1000		295

•

;

Sample ID: BPO-2-95-C-0.0	T	· ·		T	
Lab ID: BPO2C0 Elutriate Prep Date: 05/09/95			Method Detection Limit	Result	Acute Water Quality Criteria
End late 1 tep Date. 0309/93	Date Extracted	Date Analyzed	ne/L	ns/L	ue/L
DISS SEMIVOLATILE ORGANICS (SW846 8270); Holding time: 7 days to extract, 40 days to analyze	05/12/95	05/23/95			
Phenol	1		100		100 30,000
bis(2-chloroethyl)ether 2-Chlorophenol	 	<u> </u>	100		360
I 3-Dichlorobenzene I 4-Dichlorobenzene	Ţ		100		345 730
1.2-Dichlorobenzene			100		820
2-Methylphenol bis(2-chloroisopropyl)ether		ļ	100		NA 4,545
4-Methylphenol	+	 	100	 	NA
N-Nitroso-di-n-propylamine Hexachloroethane			100		NA 60
Nitrobenzene	†		100		4,040
Sophorone 2 Namehanol	ļ		100		10,400 8,000
2. Nitrophenol 2. 4- Dimethylphenol			IOU		660
2,4-Dichlorophenol 1,2,4-Tnchlorobenzene	 	 	100		1,685
Naphthalene			100		135
-Chloroaniline Hexachlorobutadiene	 	 	100	 	NA 10
big(2-Chloroethoxy)methane			100		NA
-Chloro-3-methylphenol (p-chloro-m-cresol) Texachlorocyclopentadiene	 -	 	100	 	155
2.4.6-Trichlorophenol			100		3
4,5-Trichlorophenol -Chloronaphthalene	ļ		50U		100 NA
Dimethyl phthalate		t	100		2,475
Acenaphthylene 2,6-Dmitrotoluene			100		990
cenaphthene	1		100		85
A-Directophenol	4	ļ	30U 30U		655 2,335
,4-Dinitrotoluene			100	<u></u>	1.390
hethylphthalate I-Gilorophenyl-phenylether	<u> </u>		100		4,000
morene	<u> </u>		100		NA NA
S-Diritro-2-methylphenol N-Nitrosodiphenylamina		-	50Ú 10Ú		NA 293
-Bromophenyl-phenylether	 		100	-	270
Hexachlorobenzene Pentichlorophenol	Ţ		10U 30U		NA e (1.003(pH)-4,830)
henanturene	+		10U		3
Intracene			100		NA 103
Di-n-butyl phthalate Fluoranthene	 		100		200
YTEDE			100		NA
hutylbenzyl phthalate 13'-Dichlorobenzidine	 	 	10U 20U		140 NA
denzo(a)anthracene			10		0.3
Daysene Day 2-Ethylhexyl)phthalate	 		100		NA NA
h-n-octyl phthalate			100		100
lenzo(b)fluoranthene lenzo(k)fluoranthene	 		100		NA .
tenz/s)pyrene (BAP) ndeno(1,23-cd)pyrene Dibenz(s,h)amturacene	<u> </u>		100		NA
ndeno(1,2,3-cd)pyrene	 -	<u> </u>	100		NA NA
lenzo(g,h,i)perylene I-nirosodimetrylamine			10U		NA .
l-nitrosodimethylamine lenzidine	}		1000		17,100 295
2-Diphenyl-n-hydrazine	t		100U		13
enzyl Alcohol	 		100		NA
ESTICIDES/PCBS (SW846 8080)					·
lolding time: 7 days to extract, 40 days to analyze	05/10/95	05/18/95			
phs-BHC			0.030		NA
eha-BHC			0.03U 0.03U		NA NA
amma-BHC (Lindane)			0.0SU		1
epinchlor Idnin	 		0.05U 0.05U		0.26 1.5
epachlor Epoxide	[0.05U		0.5
ndosulfan I ieldrin	 		0.03U 0.10U		0.11 1.25
A'-DDE			0.10U		0.55
ndrin			0.09U 0.10U		0.09 0.11
nucaulai II					0.33
A'-DDD (p,p'-TDE)		1	0.100		
A'-DDD (p.p'-TDE) ndorullan Sulfate			0.10U 0.10U		0.11
A-DDD (p.p-TDE) A-DDT (p.p-TDE) A-DDT			0.10U 0.10U 0.10U 0.50U		0.11 0.55 NA
A-DDD (p.p-TDE) ndomlina Sulfate 4-DDT teberychlor ndyn Ketone			0.10U 0.10U 0.10U 0.50U 0.00U		0.11 0.55 NA NA
A-DDD (p.p-TDE) ndorellan Sulfsie 4-DDT lettery thor ndrin Ketone ndrin Ketone ndrin Aldehyde pha-Chlordane			0.10U 0.10U 0.10U 0.50U .010U 0.10U 0.10U		0.11 0.35 NA NA NA 12
A-DDD (p,p-TDE) ndorulfan Sulfste 4-DDT tethoxychlor ndrin Kstone ndrin Aldehyde pha-Chlordane mmu-Chlordane			0.10U 0.10U 0.10U 0.30U 0.10U 0.10U 0.0SU		0.11 0.35 NA NA NA 1.2 1.2
A'DDD (p,p'-TDE) ndorulfan Sulfste 4'DDT tethorychlor ndrin Kstone ndrin Aldehyde pha-Chlordane amma-Colordane tirex tirex toxene			0.10U 0.10U 0.10U 0.50U 0.10U 0.05U 0.05U 0.05U 0.10U		0.11 0.35 NA NA NA 1.2 1.2 NA 0.37
A-DDD (p.p-TDE) indomlian Sulfate A-DDT lethory-chlor indrin Ketone indrin Aldehyde pha-Chlordane intra intra colordane inter int			0.10U 0.16U 0.10U 0.30U 0.10U 0.05U 0.05U 0.05U 0.10U 1.00U		0.11 0.55 NA NA NA 1.2 1.2 NA 0.37 2
A'DDD (p,p-TDE) minoralian Sulfate A'DDT lethory-chlor matrin Katone matrin Katone matrin Aldehyde pha-Chlordane mma-Chlordane fires outphene rockor-1016 rockor-1212 rockor-1232			0.10U 0.10U 0.10U 0.30U 0.10U 0.05U 0.05U 0.05U 0.10U 1.60U 0.50U 0.30U		0.11 0.55 NA NA NA 12 1.2 NA 0.37
A'DDD (p,p-TDE) ndorullan Sulfete A'DDI teltoprychlor ndran Ketone ndran Aldehyde pha-Chlordane nurna-Chlordane fires oxsphene rodor-1016 redor-1221 redor-1232 redor-1242			0.10U 0.10U 0.10U 0.30U 0.10U 0.05U 0.05U 0.10U 1.00U 1.00U 0.50U 0.50U 0.50U		0.11 0.35 NA NA NA 1.2 1.2 1.2 NA 0.37 2
37-DDD (p,p-TDE) adomlian Sulfisis 47-DDT surpers of the surper			0.10U 0.10U 0.10U 0.30U 0.10U 0.0SU 0.0SU 0.10U 1.00U 1.00U 0.30U 0.30U 0.30U 0.30U		0.11 0.35 NA NA NA 1.2 1.2 1.2 NA 0.37 2
A'DDD (p,p'-TDE) ndorollan Sulfsis A'DDT (eithorychlor ndryn Ketons ndryn Aldehyde pha-Chlordane umma-Chlordane fires oraphene proctor-1016 proctor-1221 prodor-1232 prodor-1242 prodor-1148 prodor-1148			0.10U 0.10U 0.10U 0.30U 0.10U 0.05U 0.05U 0.05U 0.10U 0.30U 0.30U 0.30U 0.30U 0.30U		0.11 0.35 NA NA NA 1.2 1.2 1.2 NA 0.37 2
A*DDD (p,p*TDE) ndorallan Sulfee A*DDT letherychlor ndrin Keone ndrin Aldehyde php Chlordane nurua Chlordane linex oraphene rodor-1016 rodor-1221 rodor-1232 rodor-1242 rodor-1244 rodor-1254 rodor-1254 rodor-1254 rodor-1256 rospolypen PESTICIDES/PCBS (SW846 8080)			0.10U 0.10U 0.10U 0.30U 0.10U 0.0SU 0.0SU 0.10U 1.00U 1.00U 0.30U 0.30U 0.30U 0.30U		0.11 0.35 NA NA NA 1.2 1.2 1.2 NA 0.37 2
A'DDD (p,p-TDE) ndorallan Sulfsie 4'DDT tethorychlor ndrin Kebne ndrin Aldehyde pha-Chlordane umru-Chlordane trex oxphene rodor-1016 rodor-1211 rodor-1221 rodor-1232 rodor-1248 rodor-1248 rodor-1254 rodor-1254 rodor-1254 rodor-1250 rospol-yen PESTICIDES/PCBS (SW846 8080)	05/10/95	05/20/95	0.100 0.100 0.100 0.100 0.300 0.300 0.100 0.000 0.000 0.000 0.000 0.000 0.300 0.300 0.300 0.300 0.300 0.300		0.11 0.55 NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2
A'DDD (p,p'-TDE) ndorollan Sulfsis A'DDT (eithorychlor ndryn Ketona ndryn Aldehyde pha-Chlordane mran-Chlordane fires oraphene prodor-1016 prodor-1221 prodor-1232 prodor-1232 prodor-1244 prodor-1244 prodor-1244 prodor-1246 prodor-1254 prodor-1254 prodor-1260 ISSOLVED PESTICIDES/PCBS (SW846 8089) olding time: 7 days to extract, 40 days to analyze pha-BKC	05/10/95	05/2095	0.10U 0.10U 0.10U 0.30U 0.10U 0.0SU 0.0SU 0.10U 1.00U 1.00U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U		0.11 0.33 NA NA NA 1.2 1.2 NA 0.37 2 2 2 1 2 2
A'DDD (p,p'-TDE) ndorollan Sulfate A'DDT (ethorychlor ndryn Katona ndryn Aldehyde pha-Chlordane mran-Chlordane fires oraphene rocdor-1211 rocdor-1222 rocdor-1242 rocdor-1244 rocdor-1244 rocdor-1254 rocdor-1254 rocdor-1254 rocdor-1260 ISSOLYED PESTICIDES/PCBS (SW846 8080) olding time: 7 days to extract, 40 days to analyze pha-BHC 1a-BHC 1a-BHC	05/10/95	05/20/95	0.10U 0.10U 0.10U 0.10U 0.30U 0.10U 0.0SU 0.0SU 0.10U 1.00U 1.00U 0.30U		0.11 0.55 NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2
A-DDD (p.p-TDE) informalis Sulfes A-DDT sulfes A-DDT sulfes A-DDT sulfes A-DDT sulfes A-DDT sulfes s	05/10/95	05/20/95	0.10U 0.10U 0.10U 0.30U 0.10U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.30U		0.11 0.35 NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 3 4 NA NA NA NA NA NA NA NA NA NA
Indersilian II (APDD (p.pIDE) Indersilian Sulfate (A-DD) (p.pIDE) Indersilian Sulfate (A-DD) Indersilian Sulfate (A-DD) Indersilian Sulfate (A-DD) Indersilian Sulfate Indersilian Sulfate Indersilian Inders	05/1095	05/2095	0.10U 0.10U 0.10U 0.10U 0.30U 0.10U 0.0SU 0.0SU 0.0SU 0.30U		0.11 0.35 NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2
A-DDD (p.p-TDE) indomilan Salisis A-DDT Acthorychlor Indom A Salisis Indom A S	05/10/95	05/20/95	0.10U 0.10U 0.10U 0.10U 0.30U 0.00U 0.00U 0.00U 0.00U 0.00U 0.30U		0.11 0.35 NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2

ample ID: BPO-2-95-C-0.0 ab ID: BPO2C0 Lutriate Prep Date: 05/09/95		<u> </u>	Method Detection Limit	Result	Acute Water Qua Criteria
4-DDE	Date Extracted	Date Analyzed	ue/L 0.10U	ve/L	ug/L 0.55
ndrin		-	0.090	 	0.09
ndosulian il	<u> </u>		0.100	 	0.11
(A'-DDD (و.p'-TDE)			0.100		0,53
ndosulfan Sulfate 4'-DDT	 		0.10U 0.10U		0.11 0.53
fethoxychlor		·	0.30U	- 	NA.
ndrin Ketone			.0100	 	NA.
ndrin Aldehyde			0.10U		NA
pha-Cilordane			0.05U		1.2
aruma-Chlordane			0.03U		1.2
ireg			0.100		NA_
pxaphene roclor-1016	 -	 	0.50U	 	0.37
roclor-1221			0.500	+	
rocior-1232	 		6.30U	 	
roctor-1242			0.30U		2
roclor-1248			0.300		2
roclor-1254 roclor-1260	 		0.50U 0.50U		
70007-1200	 		0.300		
RGANOPHOSPHORUS COMPOUNDS (SW846 8140): olding time: 7 days to extract, 40 days to analyze	05/10/95	05/25/95			
urathrough	03/10/93	03/23/93	1.00		0.063
domyrifor	+	 	1.00	 	0.083
	L				
ISS, ORGANOPHOSPHORUS COMPOUNDS (SWB46 B140)		i " l			
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95		4	
rethion			1.00		0.063
lorpyrifos	 		1.00	 	0.083
COHOLS/ALDEHYDES (SW846 Modified 8015):	 	1		 	
	1	I I			
olding time: None	 	05/17/95		<u> </u>	
ormaldehyde		<u>. </u>	5000U	<u> </u>	2180
Propanol	ļ		5000U		227,750
Рторалоі	 		30000	 	443,163
	 	 		 	
SS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015);					
olding time: None		05/12/95	50000	 	2180
Propanol			30000	 	227,750
Propanol	 		3000U	 	443,163
	1			1	
ORGANICS - TOTAL METALS (SW846 6000/7000);	05/18/95	05/20/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		1	
minimi	ALL EXCEPT IN	an except ng	43.8U	24.300	750
туполу	 		3.6U	3.6 UN	88
senic			1.60	16.2 N	360
חשת	<u> </u>		7.90	213 N*	20,500
ry lium	<u> </u>		0.20U	ļT	NA
dmum	 	 	34.9U 0.30U	123 0.66 B	8050 1.79
romum III	 		10	73	984.32
balt	 	-	2.10	18.8 BE	95
bC ₄	1		0.9U	100000 0 62.19 NOR	9.22
ad			2.10	69.6	33,78
rcury	3/26/93, 5/31/93	06/03/93	0.20U		2.4
ckel	 	- -	3.8U	34.9 BEN	789.01
enium ver	 		2.1U 0.60U	2.1 UN	20 0.92
album	 	 	3.40	1,9 BN	65
nadium	 		1.20	32.7 EN	313
16			2.10	262 EN	63.04
ORGANICS - DISS, METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		1	
urunum			43.8U	478 *	750
шполу			3.60		88
neruc			1.60	6.4 B	360
num	ļ		7.90	392	20,300
yllium	_		0,20U 34.9U	160	NA POCO
ron Immun	 		0.300	160	8050 1.79
romum III	 	+	10	 	984.32
			2.10	 	95
			0.90	51,3 *	6 22
урет			2.10	3.8 B	33.78 2.4
yper d			4.10		
oper d cury	05/24/95	05/31/95	0.200	3.8 B 0.68	700 71
pper d roury kel	05/24/95	05/31/93	0.20U 3.8U	0.68	789.01
pper roury kel enium	05/24/95	05/31/95	0.20U 3.8U 2.1U		789.01 20
ppet d cury kel minum er himm	05/24/95	05/31/93	0.20U 3.8U 2.1U 0.60U 3.4U	0.60 UN	789.0] 20 0.92 63
pper d d remy kel erium ver hibum naduum	05/24/95	05/31/95	0.20U 3.8U 2.1U 0.66U 3.4U 1.2U	0.60 UN	789.01 20 0.92 65 515
pper d d remy kel erium ver hibum naduum	05/24/95	05/31/93	0.20U 3.8U 2.1U 0.60U 3.4U	0.60 UN	789.0] 20 0.92 63
c	05/24/95	05/31/95	0.20U 3.8U 2.1U 0.66U 3.4U 1.2U	0.60 UN	789.01 20 0.92 65 515
oper d d d cury kel enium er illum andum 6 CRGANICS - OTHER (Regults in mg/L);	05/24/95		0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	6.60 UN 4.6 B	789.01 20 0.92 65 513 65.04
oper d d roupy kel erium er filbum naduum o G RGANICS - OTHER (Results in me/L); oride	05/24/95	05/12/95	0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	0.60 UN	789.01 20 0.92 65 513 65.04
pper d d retury kel entum er d Dum nadum e C DRGANICS - OTHER (Results in me/L); onits	05/24/95	05/12/95	0.20U 3.80 2.1U 0.60U 3.4U 1.2U 2.1U	6.60 UN 4.6 B	789.01 20 0.92 65 513 65.04
pper id retry kel retry kel retry ser fillburn hisdurn G DRGANICS - OTHER (Results in me/L); oride omnum VI mude	05/24/95	05/12/95 05/12/95 05/12/95	0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U	6.60 UN 4.6 B	789.01 20 0.92 65 515 65.04 86,000 NA 22
pper od of retary i.el er enium ver album nadium oc ORGANICS - OTHER (Results in me/L); loride romum VI anide like: dual Chlorine	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95	0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U	0.60 UN 4.6 B	789.01 20 0.92 65 515 65.04 86,000 NA 22
pper ded retury kel errium per dibum nadium c ORGANICS - OTHER (Results in me/L); loride romium VI mide li Ker dual Chlorine	05/24/95	05/12/95 05/12/95 05/12/95	0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U	6.60 UN 4.6 B	789.01 20 0.92 65 515 65.04 86,000 NA 22
pper id retury kel erdum ver dibbum nadium G DRGANICS - OTHER (Results in me/L); corde cornium vi muide al ker dual Chlorine al Suended Solids	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95	0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U	0.60 UN 4.6 B	789.01 20 0.92 65 515 65.04 86,000 NA 22
pper od of retry kel preserve er fillium nadium c C DRGANICS - OTHER (Results in me/L); conde conven VI made al Ker dual Chlorine al Surpended Solids S. NORGANICS - OTHER (Results in me/L); conde	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95	0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.1U	0.66 UN 4.6 B 20 20	789.01 20 0.92 65 515 65.04 86,000 NA 22 19 NA
pper od of recury i.e. i.e. or one one one one one one one one one one	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 1.U 0.01U 0.01U 0.01U	0.60 UN 4.6 B	789.01 20 0.92 65 515 65.04 86,000 NA 22 19 NA
balt pper ad d recury Exi erium ver album se ORGANICS - OTHER (Results in me/L); foride orium orium se ORGANICS - OTHER (Results in me/L); foride al Ker dual Chlorine al Su-, ended Solids SS, INORGANICS - OTHER (Results in me/L); foride orium	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.1U 1U	0.66 UN 4.6 B 20 20	789.01 20 0.92 65 515 65.04 86,000 NA 22 19 NA

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Extimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

DL - Detection limit

DL - Extimated value because of the presence of interference

N - Spiked sample recovery not within control limits

D - Compound identified at a secondary dilution factor

ample ID: BPO-2-95-C-4.1 ab ID: BPO2C4 lutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit 195/L	Result	Acute Water Quali Criteria ug/L
OLATILE ORGANICS (SW846 8240);			-		
olding time: 14 days		05/15/95	100	58	446,000
rolein			100U		455
rylonitrils :nzene			100U	 	645
omodichloromethane			100		NA
omoform omomethane			100		1825 NA
Butanone (MEK)			100		161,000
rbon Tetrachlonde			10U 10U		2780 17,500
Chloroethylvinylether nlorobenzene			100		1180
doroethane			100		NA 1945
oloroform oloromethane			100		NA NA
2-Dichloropropane			100		10,825
I-Dichloroethane I-Dichloroethane			100		NA 15,440
-Dichloroethene			100		7460
bromochloromethane 2-trans Dichloroethylene			100		6750
- 2-Dichloroethene			100		303
-[3-Dichloropropene			100		305
ns-1,3-Dichloropropene hylbenzene			100		2900 21,400
Hexanone			100		26,000
Methyl-2-Pentanone (MIBK)			100	3 ЛВ	11,840 NA
ethylene Chloride yrene			100	3 18	695
trachlomethylene			100		1040
,i,2-Tetrachloroethane ,2,2-Tetrachloroethane	- 		100		NA 1040
luene			100		1630
,1-Trichloroethane			100		3023 3390
,2-Trichloroethane ichloroethene (TCE)			100		2250
nyl Chloride			100		NA
rienes (Total)			100		1055
MIVOLATILE ORGANICS (SW846 8270):					
olding time: 7 days to extract, 40 days to analyza	05/15/95	05/19/95			
enol			100		30,000
(2-chloroethyl)ether Chlorophenol			100		360
- Dichlorobenzene			100		345
-Dichlorobenzene -Dichlorobenzene			100		730 820
Methylphenol	_+		100		NA.
(2-chlorosoprepyl)ether			100		4,545
Methylphenol Nitroso-di-n-propylamine			10U		NA NA
xachloroethane			100		60
phorone			100		4,040 10,400
Vitrophenol			100		8,000
-Dimethylphenol			100		660
-Dichlorophenol .4-Trichlorobenzene			100		1,685
phthalene			100		135
hioroaruline xachiorobutadiene			10U 10U		NA 10
(2-Chloroethoxy)methane			iõu		NA
(2-Chloroethoxy)methane hloro-3-methylphenol (p-chloro-m-cresol)			100		155
xachlorocyclopentadiene ,6-Trichlorophenol			16U 10U		3
.5-Trichlorophenol			SOU		100
hloronsphthalene			100		NA 2,475
nethyl phthalate enaphthylene			100		NA
- Dinitrotoluene			100		990
enaphthene -Dinitrophenol			500		655
litrophenol			SOU		2,335
-Dinitrotohiene			100		1,590
thylphthalate Jalorophenyl-phenylether			100		4,000 NA
orene			100		NA
-Dinitro-2-methylphenol Vitrosodiphenylamine			30U 10U		NA 293
Vitrosodiphenylamine Iromophenyl-phenylether			100		270
xachlorobenzene			100		NA
nanthrene	_		30U 10U		e (1.005(pH)=4,830
thmeene			100		ŇĀ
n-butyl phthalate			100		103 200
			100		NA NA
oranthene ene	+ +		10U		140
oranthene ene					
orantiese ene ylbenzyl phtulate -Dichlorobenzidine			200		NA NA
orantiese ene ylbenzyl phtiulate -Dichlorobenzidine zzo() jantivacene			200		0.5
orantiese ene ylbenzyl phtulate -Dichlorobenzidine uzo(a) anduracene ytene (2-Edy)hexyl phtulatse			20U 1U 10U 10U		0.5 NA NA
orantiene ene ylbenzyl phtiulate -Dichlorobenzidine zo(a) lantivacene ysene (2-Edylbezyl) phtiulate -ocyty phtiulate			20U 1U 10U 10U 10U		0.5 NA NA 100
orantiese ene ylbenzyl phthalate -Dichlorobenzidine zzo() janutracene ytene 'Z-Edrylhexyl) phthalate n-ocryl phthalate zzo() bluoranthene			20U 1U 10U 10U 10U 10U		0.5 NA NA 100 NA
orantiese ene ylbenzyl phthalate -Dichlorobenzidine zzo() landuracine ytene -CEdnythexyl) phthalate -cocyl phthalate zzo() fluorantiene zzo() fluorantiene			20U 1U 10U 10U 10U 10U 10U 10U		0.5 NA NA 100 NA NA NA
orantiese ene ylbenzyl phthalate -Dichlorobenzidine zzo() landuracine ytene -CEdnythexyl) phthalate -cocyl phthalate zzo() fluorantiene zzo() fluorantiene			20U 1U 10U 10U 10U 10U 10U 10U 10U		0.5 NA NA 100 NA NA NA
orantiene ene ylbenzyl phthalate -Dichlorobenzidine tzo(a)anthracene ytene -Zehythexyl)phthalate -cocyl phthalate -cocyl phthalate -cocyl fluorantiene -cocyl fluorantiene -cocyl pyrene -eng a) pyrene -eng a) pyrene			20U 1U 10U 10U 10U 10U 10U 10U		0.5 NA NA 100 NA NA NA
orantene ene ylbenzyl phthalate -Dichlorobenzidine zos() jandracene yaene -octyl phthalate -octyl phthalate -octyl phthalate zos() bluoranthene zos() bluoranthene zos() plyrene (BaP) eno(1,23-ed)pyrene enr(a,h)anthracene zos(a,h)perylene introsodimethylamine			20U 1U 10U 10U 10U 10U 10U 10U 10U 10U 10		0.3 NA NA 100 NA NA NA NA NA NA 17,100
orantiese ene ylbenzyl phthalate			20U 1U 10U 10U 10U 10U 10U 10U 10U 10U 10		0.3 NA NA 100 NA NA NA NA NA

į

.

Sample ID: BPO-2-95-C-4.1 Lab ID: BPO2C4 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quality Criteria ue/L
DISS, SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/12/95	05/23/95			
Phenol bis(2-chloroethyl)ether			100		100
2-Chlorophenol		.1	100	 	30,000 560
1,4-Dichlorobenzene		Ţ	100		345
1,2-Dichlorobenzene		<u> </u>	100		730 820
2-Methylphenol			100		NA NA
bis(2-chloroisopropyl)ether 4-Methylphenol	+	 	100	 	4,543 NA
N-Nitroso-di-n-propylamine			100		NA.
Hexachloroethane Nitrobenzene			100	 	4,040
Isophorone			100		10,400
2-Nitrophenol 2-A Dimethylahenol		-	100		8,000
2,4-Dimethylphenol 2,4-Dichlorophenol		 	100		1,685
I.2.4-Trichlorobenzene Naphthalene		Į	100		130
4-Chlorospiline			100		133 133
Hexachloroburadiene			100		10
bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)	-} -	 	100		NA 155
Hexachlorocyclopentadiene			160		3
2,4,6-Trichlorophenol 2,4,5-Trichlorophenol	- 	 	300		100
2-Chloronaphthaline Dimethyl phthalate			100		NA .
Dimethyl phthalate Acenaphthylene		1	100		2,475 NA
2,6-Dinutrotoluene		1	100		990
Acenaphthene 2,4-Dinitrophenol		 	10Ú 30Ú		85
4-Nitrophenol		 	300		635
2,4-Dinitrotoluene Diethylphthalase			100		1,390
4-Chlorophenyl-phenylether	 	 	100	<u> </u>	4,000 NA
Fluorene			100		NA_
4,6-Dirawo-2-methylphenol N-Nitrosodiphenylamine	 	 	50U 10U		NA 293
4-Bromophenyl-phenylether			100		270
Hexschlorobenzene Pentachlorophenol		ļ	10U 30U		NA.
Phenanthrene	 	 	100		e (1.003(pH)-4,830)
Anthracene			100		NA
Di-n-butyl phthalate Fluoranthene	+	 	100		105
Pyrene			100		NA.
Butylbenzy) phthalate 3,3'-Dichlorobenzidine		<u> </u>	10U 20U		140 NA
Benzo(a)anthracene		f	10		0.3
Chrysene Bis(2-Ethythexyl)phthalate	Ţ		100	19	NA NA
Di-n-octyl phthalate	+		100		100
Benzo(b)fluoranthene Benzo(k)fluoranthene		[100		NA.
Benzo(a)pyrene (BaP)	+	 	100		NA NA
Senzo(a)pyrene (BaF) indeno(1,2,3-cc)pyrene Dibenz(a,h)anituacene			100		NA .
Dibenzi s.h janurracene Benzo(o.h.i)merviene			100		NA NA
Senzo(g,h,) perylene N-nitrosodimethylamine			100U		17,100
Senzidine 2-Diphenyl-n-hydrazine	<u> </u>		1000		295 13
Scrizyl Alcohol	<u> </u>		100		NA NA
PESTICIDES/PCBS (SW846 8080) Tolding time: 7 days to extract, 40 days to analyze	05/15/95	05/19/95			
lphs-BHC ets-BHC		<u> </u>	0.03U 0.03U		NA NA
eha-BHC			0.05U		
amma-BHC (Lindane) leptachlor	Ţ		0.05U 0.05U		634
Aldrin	1		0.05U		0.26
leptachlor Epoxide indostulfan l			0.03U		0.5
ieldrin	 	 	0.03U 0.10U		0.11 1.25
A-DDE			0.100	0.04 J	0,55
ndrin ndosulfan II		<u> </u>	0,09U		0.09
,4'-DDD (p,p'-TDE)			0.10U	<u></u> -	0.33
ndosulfan Sulfate A'-DDT			0.10U 0.10U		0.11
lethoxychlor	 	 	0.30U		0.53 NA
ndrin Ketone			0.100		NA
ndrin Aldehyde pha-Chlordane	 		0.10U 0.03U		NA 1,2
amma-Chlordane			0.03U		1.2
urex oxaphene	 		0.10U 1.00U		NA 0.37
roclor-1016			0.30U		1
roclor-1221 roclor-1232	 		0.50U 0.50U		
roclor-1242			0.50U		
rocior-1248			0.30U		
roclor-1254 roclor-1260	 		0.500	——— —	2
			V		
ISSOLVED PESTICIDES/PCBS (SW846 8080)	05/18/95	05/20/95			
olding time: 7 days to extract, 40 days to analyze	UN10/77 1				NA
olding time: 7 days to extract, 40 days to analyze pha-BHC	03/18/95		0.05U		
olding time: 7 days to extract, 40 days to analyze pha-BHC tus-BHC tus-BHC	031075		0.030		NA
olding time: 7 days to extract, 40 days to analyze pha-BHC tu-BHC tu-BHC tu-BHC (Lindane)	0316/33		0.03U 0.03U 0.03U		NA NA I
olding time: 7 days to extract, 40 days to analyze pha-BHC tu-BHC tu-BHC tura-BHC (Lindane) rpuchlor drin	031073		0.05U 0.05U 0.05U 0.05U		NA NA I 0.26
olding time: 7 days to extract, 40 days to analyze pha BHC to-BHC tu-BHC tu-BHC tumma-BHC (Lindane) reptachlor drin psytchlor Epoxide	031077		0.03U 0.03U 0.03U 0.03U 0.03U 0.03U		NA NA I 0.26 1.5 0.3
oking time 7 days to extract, 40 days to analyze oha-BHC tu-BHC tu-BHC tu-BHC tu-BHC opticities opticities opticities	031677		0.05U 0.05U 0.05U 0.05U 0.05U		NA NA I 0.26 1.5

Sample ID: BPO-2-95-C-4.1					
Lab ID: BPO2C4			Method Detection		Acute Water Qu
Elutriate Prep Date: 05/09/95	Data Patenatad	Date & makes	Linit	Result	Criteria
(X-DDE	Inste Extracted	Date Analyzed	<u>ue/L</u> 0.10U	up/L	ue/L 0.55
indrin			0.09U		0.09
Endosulin II	 		0.10U		0.11
6,4'-DDD (p,p'-TDE) Endosulfan Sulfate	 	 	0.10U 0.10U	 	0.55 0.11
I,4'-DDT			0.10U		0.55
Methoxychlor Endrin Ketone			0.50U		NA
Endrin Aldehyde		 	0.10U 0.10U	 	NA NA
lipha-Chlordane			0.05U	1	7.2
zamma-Otlordane			0.05U		1.2
Virex Oxaphene	 		0.10U 1.00U		NA 0.37
Aroclor-1016	 	 	0.30U	 	2.37
Aroclor-1221			0.30U		2
Aroclor-1232 Aroclor-1242	 		0.50U 0.50U		2
Vroclor-1248	 	 	0.300	 	
Aroclar-1254			0.50U		2
/roclor-1260	 	 	0.500	<u> </u>	2
DRGANOPHOSPHORUS COMPOUNDS (SW846 8140):					
Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/25/95			
erathion		ļ	1.60		0.065
Allory Tolor	 	 	1.00		0.083
DISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):	1	1			
folding time: 7 days to extract, 40 days to analyze	05/18/95	05/24/95			
Parathion			1.00		0.065
hiorpynios	 	 	1.00		0.083
ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	 	 		 	
	1	05/13/05			
Holding time: None		05/17/95	*****	 	
- Propanol			5000U 5000U		2180
-Propunol			30000	t	227,750 443,165
DISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):				1	
lolding time: None	<u> </u>	05/18/95	3000U		3188
ormaldehyde -Propanol	· · · · · ·	 	30000		2180 227,750
-Propenol			5000U		443,163
NORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95			
folding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
lunnun .			43.8U	74,300	750
ratinotry	ļ		3.6U 1.6U	3.6 UN 53.2 N	88 360
anum			7.90	928 N°	20,300
erylbim			0.20U	2.0 B	NA .
oron admium		ļ	34.9U 0.30U	117	8050
Aromnum III		 	10	448	1.79 984.32
obalt			2.10	88.1 E	93
opper			0.9U	395 N°	9.22
ead leretury	5/26/93, 5/31/93	06/03/93	2.1U 0.20U	329	33,78
ickel	32073, 33177	0000077			
			3.80	1.6 160 FN	2.4
			3.8U 2.1U	160 EN	2.4 789.01 20
lver			2.1U 0,60U	160 EN 7.7 N 10.6 N	2.4 789.01 20 0.92
lver saltium			2.1U 0.60U 3.4U	160 EN 7.7 N 10.6 N S	2.4 789.01 20 0.92 65
lver saldium sasdium			2.1U 0,60U	160 EN 7.7 N 10.6 N 6.1 BN 269 EN	2.4 789.01 20 0.92 65 515
lver saldium saldium			2.1U 0.60U 3.4U 1.2U	160 EN 7.7 N 10.6 N S	2.4 789.01 20 0.92 65
lver snadium snadium ne	05/19/95	5/25/95, 5/31/95	2.1U 0.60U 3.4U 1.2U	160 EN 7.7 N 10.6 N 6.1 BN 269 EN	2.4 789.01 20 0.92 65 515
Ner nalbium anaduum ne ORGANICS - DISS, METAIS (SW846 6000/1000): olding lime: 6 mo. (28 days Hg)	05/19/95 all except Hg	5/25/95, 5/31/95 all except Hg	2.1U 0.60U 3.4U 1.2U 2.1U	160 EN 7.7 N 10.6 N 6.1 BN 269 EN 1370 EN*	2.4 789.01 20 0.92 63 513 65.04
IVET SABBUM SABB		1 1	2.1U 0.60U 3.4U 1.2U	160 EN 7.7 N 10.6 N 6.1 BN 269 EN	2.4 789.01 20 0.92 65 515
Ner salium tradium ne ORGANICS - DISS, METALS (SW846 6000/7000); olding time: 6 mo. (28 days Hg) umunum tumony		1 1	2.1U 0.60U 3.4U 1.2U 2.1U	160 EN 7.7 N 10.6 N 6.1 BN 269 EN 1570 EN*	2.4 789.01 20 0.92 65 513 65.04
Ner salitum statium inadium nee ORGANICS - DISS, METALS (SW846 6000/7000); olding time: 6 mo. (28 days Hg) uminum timony serie ritum		1 1	2.1U 0.60U 3.4U 1.2U 2.1U 43.8U 3.6U 1.6U 7.9U	160 EN 7.7 N 10.6 N 10.	2.4 789.01 20 0.92 65 515 65.04
ver salitum uradium ne ORGANICS - DISS, METALS (SW846 6000/7000); olding time: 6 mo. (28 days Hg) uninum tumony serve rium ryulium		1 1	2.1U 0.660 3.4U 1.2U 2.1U 43.8U 3.6U 1.6U 7.9U	160 EN 7.7 N 10.6:N 6.1 BN 269 EN 1570 EN* 1570 EN*	2.4 789.01 20 0.92 65 51.5 65.04 750 88 360 20,500 NA
Nor audium ina		1 1	2.1U 0.60U 3.4U 1.2U 2.1U 43.8U 3.6U 1.6U 7.9U 0.29U	160 EN 7.7 N 10.6: N 1	2.4 789.01 20 0.92 65 515 65.04 750 88 360 20,500 NA 8050
Ner salibum Inadium Inadium Inadium Inadium IORGANICS - DISS, METALS (SW846 6008/7000); Iolding time: 6 mo. (28 days Hg) Intimony Intimony Intimony Intimon Intimony Intimon I		1 1	2.1U 0.660 3.40 1.2U 2.1U 43.8U 43.8U 43.6U 1.6U 7.9U 0.20U 34.9U	160 EN 7.7 N 10.6:N 6.1 BN 269 EN 1570 EN* 1570 EN*	2.4 789.01 20 0.92 65 515 65.04 750 88 360 20,500 NA 8050 1.79 98.432
Ner salitum Inadium In		1 1	2.1U 0.660 3.40 1.20 2.1U 43.8U 43.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U	160 EN 7.7 N 10.6:1 N	750 88 360 20,504 750 88 360 20,500 NA 8050 1.79 984.32
Ner salbum unadum ne ORGANICS - DISS. METALS (SW846 6000/2000): obling time: 6 mo. (28 days Hg) ununum timony serie unum rythium rythium rom dinium rom dinium rom dinium		1 1	2.1U 0.660U 3.4U 1.2U 2.1U 43.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U	160 EN 7.7 N 10.6 N 10.	2.4 789.01 20 0.92 65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95
Ner salitum Inadium In	all except Hg	all except Hg	2.1U 0.660U 3.4U 1.2U 2.1U 43.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U	160 EN 7.7 N 10.6:1 N	750 88 360 20,504 750 81 360 20,500 NA 8050 1.79 984.32 95 9.52 33.78
Ner willium anadum ne IORGANICS - DISS, METALS (SW846 6000/1000): olding time: 6 mo. (28 days Hg) wminum ntmony serie rythma ryth		1 1	2.1U 0.660 3.4U 1.2U 2.1U 43.8U 3.6U 1.8U 7.9U 0.20U 3.49U 0.30U 1U 2.1U 0.9U 2.1U	160 EN 7.7 N 10.6 N 10.	2.4 789.01 20 0.92 65 513 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4
Ner salbum ORGANICS - DISS. METALS (SW846 6008/1000): obling time: 6 mo. (28 days Hg) ununum thmony sense virum ryulium ryulium ron durium pronium uronium	all except Hg	all except Hg	2.1U 0.660 3.40 1.2U 2.1U 43.8U 43.8U 3.6U 1.8U 7.9U 0.28U 34.9U 0.30U 1U 0.9U 2.1U 0.9U 2.1U	160 EN 7.7 N 10.6 N 10.	2.4 789 ol 20 0.92 65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789 0l
Ner wallium anadium ne IORGANICS - DISS. METALS (SW846 6000/1000): olding time: 6 mo. (28 days Hg) uminium nimony secric sitin ry lium ry lium ry mon direction direction direction rection direction control direction rection direction rection direction control direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction rection direction direction rection direction rection direction xcept Hg	all except Hg	2.1U 0.660U 3.4U 1.2U 2.1U 43.8U 3.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.20U 3.8U 3.EU 3	160 EN 7.7 N 10.6 N 10.	2.4 789.01 20 0.92 65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92	
Ner wallium anadum ne IORGANICS - DISS. METALS (SW846 6000/1000): olding time: 6 mo. (28 days Hg) umunum numony nerus urium ryulium ry	all except Hg	all except Hg	2.1U 0.660U 3.4U 1.2U 2.1U 43.8U 3.6U 3.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.9U 2.1U 0.9U 3.8U	160 EN 7.7 N 10.6: N 6.1 BN 269 EN 1370: EN* 5.6 B 272 0.39 B 160 0.46 B 9 5.3 B 184,4- 26,7 8.4 B 0.60 UN	2.4 789 ol 20 0.92 65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789 ol
Ner wallium anadum ne IORGANICS - DISS. METALS (SW846 6000/1000): olding time: 6 mo. (28 days Hg) umunum numony nerus urium ryulium ry	all except Hg	all except Hg	2.1U 0.660U 3.4U 1.2U 2.1U 43.8U 3.6U 3.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.9U 2.1U 0.9U 3.8U	160 EN 7.7 N 10.6:1 N	2.4 789.01 20 0.32 65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 24 789.01 20,002
Ner sublum anadium no OORGANICS - DISS. METALS (SW846 6000/1000): ookling time: 6 mo. (28 days Hg) umunum namony nerus retric urium rytlium roon draium roon roon draium roon roon draium roon roon draium roon roon draium roon	all except Hg	all except Hg	2.1U 0.660U 3.4U 1.2U 2.1U 43.8U 3.6U 3.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.9U 2.1U 0.9U 3.8U	160 EN 7.7 N 10.6: N 6.1 BN 269 EN 1370: EN* 5.6 B 272 0.39 B 160 0.46 B 9 5.3 B 184,4- 26,7 8.4 B 0.60 UN	2.4 789 ol 20 0.92 65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789 ol
Ner wallium anadium ne IORGANICS - DISS, METALS (SW846 6000/1000): olding time: 6 mo. (28 days Hg) uminium nimony servic ritim rytlium rytlium rytlium roren dirium tyronium III obah recury cycl ercury cycl	all except Hg	all except Hg	2.10 0.660 3.40 1.20 2.10 43.80 3.60 1.80 7.90 0.200 34.90 0.300 10 2.10 0.90 2.10 0.200 3.80 2.10 0.200 3.80 2.10 0.200 3.80 2.10 0.200 3.80 1.00 0.200 1.00 0.200 1.00 0.200 1.00 0.200 1.00 0.200 0.300 1.00 0.300 1.00 0.300 1.00 0.300 1.00 0.300 1.00 0.300 1.00 0.300 1.00 0.300 1.00 0.300 1.00 0.300 1.00 0.300 1.00 0.3	160 EN 7.7 N 10.6: N 6.1 BN 269 EN 1370: EN* 1390.* 5.6 B 272 0.39 B 160 0.46 B 9 5.3 B 184.* 26.7 8.4 B 0.60 UN 15.7 B	2.4 789.01 20 0.92 65 65 513 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04
Iver mailium anadum ne IORGANICS - DISS. METAIS (SW846 6008/1000): ookling time: 6 mo. (28 days Hg) Iumunum nimony neerus Iumun revilium orron Idunum uronium III bash bash bash lenum uronium III bash lenum uronium III bash	all except Hg	05/31/95	2.1U 0.660 3.40 1.20 2.1U 43.8U 43.8U 3.6U 1.6U 7.9U 0.20U 3.9U 1U 2.1U 0.9U 2.1U 0.9U 2.1U 0.9U	160 EN 7.7 N 10.6: N 6.1 BN 269 EN 1370: EN* 5.6 B 272 0.39 B 160 0.46 B 9 5.3 B 184,4- 26,7 8.4 B 0.60 UN	2.4 789.01 20 0.92 65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 9.22 33.78 2.4 788.01 20 0.92 65 515 65.04
Diver habilium anadium ine ONGGANICS - DISS. METALS (SW846 6000/1000): olding time: 6 mo. (28 days Hg) luminum nimony mercis surium syrilium orron adminum introno	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95	2.1U 0.660 3.4U 1.2U 2.1U 43.8U 43.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 1.2U 2.1U 0.600U 0.00U	160 EN 7.7 N 10.6: N 6.1 BN 269 EN 1370: EN* 1390.* 5.6 B 272 0.39 B 160 0.46 B 9 5.3 B 184.* 26.7 8.4 B 0.60 UN 15.7 B	2.4 789.01 20 0.92 65 65 513 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04
Ner wallium snadium ne OORGANICS - DISS, METALS (SW846 6000/1000): obding time: 6 mo. (28 days Hg) ununum numony nerus unum numony nerus unum revilium roron durium roron durium roron durium roron durium terus et ali entum ver alilium naduum ne OORGANICS - OTHER (Results in mp/L): loride loride lui Rendual Chlorine	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95 05/12/95	2.1U 0.660 3.4U 1.2U 2.1U 43.8U 3.6U 1.6U 7.9U 0.28U 34.9U 2.1U 0.30U 1.U 2.1U 0.9U 2.1U 0.9U 2.1U 0.1U 0.601U 0.01U 0.1U	160 EN 7.7 N 10.6:N 6.1 BN 10.6:N 6.1 BN 10.6:N 6.1 BN 1370:EN* 13	2.4 789.01 20 0.92 65 513 65.04 750 88 360 20,500 NA 8050 1.79 984.32 93 9.22 33.78 2.4 789.01 20 0.92 65 513 65.04
Diver habitum stadium	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95	2.1U 0.660 3.4U 1.2U 2.1U 43.8U 43.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 1.2U 2.1U 0.600U 0.00U	160 EN 7.7 N 10.6: N 6.1 BN 269 EN 1370: EN* 1390.* 5.6 B 272 0.39 B 160 0.46 B 9 5.3 B 184.* 26.7 8.4 B 0.60 UN 15.7 B	2.4 789.01 20 0.32 65 65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.52 65 515 65.04
serve serve	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95 05/12/95	2.1U 0.660 3.4U 1.2U 2.1U 43.8U 3.6U 1.6U 7.9U 0.28U 34.9U 2.1U 0.30U 1.U 2.1U 0.9U 2.1U 0.9U 2.1U 0.1U 0.601U 0.01U 0.1U	160 EN 7.7 N 10.6:N 6.1 BN 10.6:N 6.1 BN 10.6:N 6.1 BN 1370:EN* 13	2.4 789.01 20 0.92 65 513 65.04 750 88 360 20,500 NA 8050 1.79 984.32 93 9.22 33.78 2.4 789.01 20 0.92 65 513 65.04
Diver habitum stradiu	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	2.1U 0.660 3.40 1.20 2.1U 43.8U 43.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 1.2U 2.1U 0.601U 0.01U 0.1U	160 EN 7.7 N 10.6:N 6.1 BN 269 EN 1370:EN* 5.6 B 272 0.39 B 160 0.46 B 9 5.3 B 1818:1818 26.7 8.4 B 0.60 UN 15.7 B 222	2.4 789.01 20 0.92 65 513 65.04 750 88 360 20,500 NA 8050 1.79 984.32 93 9.22 33.78 2.4 789.01 20 0.92 65 513 65.04
Dies in the second of the seco	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	2.10 0.660 3.40 1.20 2.10 43.80 43.80 3.60 1.80 7.90 0.200 34.90 2.10 0.90 2.10 0.90 2.10 0.90 2.10 0.90 3.80 2.10 0.600 3.40 1.20 2.10 0.600 0.10 0.010 0.10	160 EN 7.7 N 10.6:N 6.1 BN 10.6:N 6.1 BN 10.6:N 6.1 BN 1370:EN* 13	2.4 789.01 20 0.92 65 513 655.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 65.04 86,000 NA 22 19 NA
Diver habilium anadium in the state of the s	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	2.1U 0.660 3.40 1.20 2.1U 43.8U 43.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 1.2U 2.1U 0.601U 0.01U 0.1U	160 EN 7.7 N 10.6:N 6.1 BN 269 EN 1370:EN* 5.6 B 272 0.39 B 160 0.46 B 9 5.3 B 1818:1818 26.7 8.4 B 0.60 UN 15.7 B 222	2.4 789.01 20 0.32 65 65 515 65.04 750 88 360 20,300 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Brimsted value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplease marlysis not within control limits

DL - Detection limit

E - Erimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank ryaces represent non-detected compounds.

Sample ID: BST-1-95-C-1.0 Lab ID: BST1C3 Elutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit	Result	Acute Water Quality Criteria ug/L
YOLATILE ORGANICS (SW846 8248):	200000				
Holding time: 14 days Acetone		5/8/95	100	27	446,000
Acrolein			1000	<u>-</u>	433
Acrylonitrile Benzene	 	 -	1000	 -	645
Bromodichloromethane			100		NA .
Bromoform Bromomethane	 	 	100	 	1825 NA
2-Butanone (MEK)			100		161,000 2780
Carbon Tetrachloride 2-Chloroethylvinylether	 		100	 	17,500
Chlorobenzene			100		1180
Chloroform	 	 	100	 	NA 1945
Chloromethane 1,2-Dichloropropane			100		NA 10 825
I,I-Dichloroethane			100		10,825 NA
1,2-Dichloroethane 1,1-Dichloroethane			100	ļ	15,440 7460
Dibromochloromethane			100		6730
1,2-trans Dichloroethylene cis-1,2-Dichloroethene			100		1000 305
cis-1,3-Dichloropropene			100		305
trans-1,3-Dichloropropene Ethylbenzene			100		2900
2-Hexanone			100		26,000
4-Methyl-2-Pentanone (MIBK) Methylene Chloride		 	100	7 JB	11,840 NA
Styrene			100		695
Tetrachloroethylene 1,1,1,2-Tetrachloroethane			100		1040 NA
1,1,2,2-Tetrachloroethane			100		1040
Toluene 1,1,1-Trichloroethane			100		1650 3025
1.1.2-Trichloroethane			100		3390
Inchloroethens (ICE) Vinyl Chloride		ļ	100		2250 NA
Xylenes (Total)			IOU		1033
SEMIVOLATILE ORGANICS (SW846 8270):			 		
Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/20/95 and			
Phenol bis(2-chloroethyl)ether		05/22/95	100	 	30,000
2-Chlorophenol			100		360
1,3-Dichlorobenzene	<u> </u>		100	}i	343 730
1,2-Dichlorobenzene			100		820
2-Methylphenol bis(2-chloroisopropyl)ether		 	100		NA 4,545
4-Methylphenol			100		NA
N-Nitroso-di-n-propylamine Hexachloroethane			100		NA 60
Nitrobenzene			100		4,040
Isophorone 2-Nitrophenol			100		10,400 8,000
2,4-Dimethylphenol			100		660
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			100		1,685
Naphthalene			100		135
4-Chloroaniline Hexachlorobutadiene			100		NA 10
bis(2-Chloroethoxy)methane			100		NA NA
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			100		153
2.4,6-Trichlorophenol			10U 30U		100
2,4,5-Trichlorophenol 2-Chloronaphthalene			100		NA NA
Dimethyl phthalate Acenaphthylene			100		2,475 NA
2,6-Dimirotohiene			100		990
A cenaphthene 2,4-Dinitrophenol			10U 30U		83 653
4-Nitrophenol			SOU		2,335
2,4-Directoluene Diethylphthalate			100		1,390
4-Chlorophenyl-phenylether			100		NA.
Fluorene			10U 30U		NA
4,6-Dinuro-2-methylphenol N-Nitrosodiphenylamine			100		NA 293
4-Bromophenyl-phenylether Hexachlorobenzene			100		270 NA
Pentachlorophenol			SOU		e (1.005(pH)-4,830)
Phenanthrene			10U 10U		NA
Anthracene Di-n-buryl phthalate			100		103
luoranthene			100		200
Pyrene Butylbenzyl phthalate		 -	10U		NA
3'-Dichlorobenzidine			200		NA
Benzo(s)anthracene Chrysene			100		NA NA
Bis(2-Ethylhexyl)ohthalate			100	27	NA
Di-n-octyl phthalate Benzo(b)fluoranthene			100		100 NA
Benzo(k)fluoranthene			100		NA
Benzo(s)pyrene (BaP) Indeno(1,2,3-ed)pyrene			100		NA NA
ndeno(123-ed)pyrene Dibenz(a,h)zanthracene			100		NA.
Benzo(g.h.i)perylene N-nitrosodimethylamine	<u></u>		100		NA 17,100
Benzidine			100U		295
J2-Diphenyl-n-hydrazine Benzyl Alcohol			1000		IS NA

Services of Population

į

Sample ID: BST-1-95-C-1.0 Lab ID: BST1C3 Elutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quality Criteria ve/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/09/95	05/21/95	NE'N	WEIL	35/11
Phenol	03/39/93	03/21/93	100		100
bis(2-chloroethyl)ether 2-Chlorophenol	- 	 	100		30,000 560
I_3-Dichlorobenzene I_4-Dichlorobenzene			100		345 730
1,2-Dichlorobenzene	 	 	100		820
2-Methylphenol bis(2-chloroisopropyl)ether			100		NA 4,345
4-Methylphenol		İ	100		NA.
N-Nitroso-di-n-propylamine Hexachloroethane		ļ <u>.</u>	10U 10U		NA 60
Nitrobenzene			100		4,040
Isophorone 2-Nitrophenol	- 		10U	37	10,400 8,000
2,4-Dimethylphenol			100	7.7	660
2,4-Dichlorophenol	 	 	100	· · · · · · · · · · · · · · · · · · ·	1,685
Nephthalene 4-hioroaniline			100		133
Hexachlorobutadiens	 	 	100		NA 10
bs(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			100		NA 133
Hexachlorocyclopentadiene		 	10U		133
2,4,5-Trichlorophenol 2,4,5-Trichlorophenol	<u> </u>		10U 30U		3
2-Chloronaphthalene	 	 	100		100 NA
Dimethyl phthalate			160		2,475 NA
Acensphthylene 2,6-Dinitrotoluene	<u> </u>	<u> </u>	100		990
A cenaphthene 2.4-Dirutrophenol			10U 30U		83 655
4-Nitrophenol	 		50U		2,333
2,4-Dirutrololuene Diethylphthalate			100		1,590 4,000
4-Chlorophenyl-phenylether			10U		NA NA
Fluorene 4,6-Dimitro-2-methylphenol			10U 30U		NA VA
N-Nitrosodiphenylamine			100		NA 295
4-Bromophenyl-phenylether Hexachlorobenzene			100		270 NA
Pentachlorophenol	<u> </u>		50U		e (1.005(pH)-4,830)
Phenanthrene Anthracene			100		NA NA
Di-n-butyl phthalate	 		100		103
Fluoranthene Pyrene			100		200 NA
Butylbenzyl phthalate	 		100		140
3,3'-Dichlorobenzidine Benzo(a)anthracene			20U 1U		NA NA
Chrysene			100		NA NA
Bis(2-Ethylhexyl)phthalate Di-n-octyl phthalate			100	3.1	NA 100
Benzo(b)fluoranthene			100		NA
Benzo(k)fluoranthene Benzo(s)pyrene (BaP)	-		100		NA NA
Benzo(a)pyrene (BaP) Indeno(1,7,3-cd)pyrene Dibenz(a,h)anthracene			160		NA
Benzo(g,h,i)perylene	 		160		NA NA
N-nitrosodimethylamine Benzidine			U001		17,100
I.2-Diphenyl-n-hydrazine	 		1000		295 15
Benzyl Alcohol			100	11	NA
PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze	05/09/95	05/14/95			
Holding time: 7 days to extract, 40 days to analyze	- V203/33		0.03U		NA
beta-BHC deta-BHC			0,030		
gamma-BHC (Lindane)					NA.
			0.03U 0.03U		NA NA I
Heptachlog Aldrin			0.03U 0.03U 0.03U		NA NA I 0.26
Aldrin Heptachlor Epoxide			0.03U 0.03U 0.03U 0.03U 0.03U		NA NA 1 0.26 1.3 0.5
Aldrin Hepuchlor Epoxide Endorulfan I			0.03U 0.03U 0.03U 0.03U 0.03U		NA NA 1 0.26 1.5 0.5 0.11
Aldrin Hepuchlor Epoxide Endorulfan I Dieldrin 44-DDE			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U		NA NA I 0.26 1.5 0.5 0.11 1.25
Aldrin Hepuchlor Epoxide Endosulfan I Dieldrin 4,4-DDE Endran			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.16U 0.16U 0.16U		NA NA 1 0.26 1.5 0.5 0.11
Aldrin Hepuchlor Epoxide Endorulfan Dieldrin (A'-1)DE Endorulfan Endorulfan Unidentalian Endorulfan Endorulfan II			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U		NA NA 1.026 1.3 0.5 0.11 1.23 0.55 0.69 0.11
Aldrin Hepuchor Epoxide Endorulian I Diekkin (A'-DDB Endorulian II (A'-DDD (p.p'-TDB) Endorulian II (A'-DDB (p.p'-TDB) Endorulian Sulfate (A'-DDB)			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.16U 0.16U 0.10U 0.10U 0.10U		NA NA 1 0.26 1.5 0.5 0.1 1.25 0.55 0.69 0.11
Aldrin Hepuchor Epoxide Endorulian I Diekkin (A'-DDB Endorulian II (A'-DDD (p.p'-TDB) Endorulian II (A'-DDB (p.p'-TDB) Endorulian Sulfate (A'-DDB)			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.06U 0.06U 0.06U 0.00U 0.00U 0.10U 0.10U		NA NA 1 0.26 1.5 0.3 0.11 1.25 0.55 0.09 0.11 0.55 0.11
Adrin Fepuchlor Epoxide Endorulfan Dicklein LA'-DDE Endram Indorulfan A'-DDD (p.p'-1DE) Indorulfan Indorulfan Indorulfan Indorulfan Sulfate A'-DDT dethoxychlor Endram Aldehyda			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.16U 0.16U 0.10U 0.10U 0.10U		NA NA 1 0.28 1.5 0.5 0.11 1.25 0.35 0.09 0.01 0.11 0.35 0.11 0.35 0.11
Aldrin Hepuchlor Epoxide Endorulfan I Dieldrin (4-DDE Endorulfan II (4-DDD (p.p-TDE) Endorulfan Sulfate (4-DDT) Gethorychlor Endrin Aldehyde Endrin Aldehyde Endrin Aldehyde Endrin Aldehyde Endrin Aldehyde Endrin Aldehyde			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U		NA NA 1 0.26 1.5 0.5 0.11 1.25 0.09 0.11 0.35 0.09 0.11 0.35 NA NA NA
Aldrin Hepuchlor Epoxide Endorulian I Diedrin LA*-DDE Endorulian I LA*-DDD (p.p-TDE) Endorulian Sulfate LA*-DDT Methoxychlor Endorulian Sulfate LA*-DDT Methoxychlor Endrin Keione Endrin Aldehyda Endrin Chiordane Endrin Chiordane Endrina Chlorda			0.05U 0.05U		NA NA 1 0.26 1.5 0.5 0.11 1.25 0.09 0.11 0.35 0.09 0.11 0.35 NA NA
Aldrin Hepuchlor Epoxide Endorulfan I Diedrin (A*DDE Endorulfan II I,A*DDD (p.p*TDE) Endorulfan Sulfate (A*DDT Endorulfan Sulfate (A*DDT Endorulfan Sulfate (A*DDT Endorulfan Sulfate (A*DDT Endorulfan Sulfate (A*DDT Endorulfan Sulfate (A*DDT Endorulfan Sulfate (A*DDT Endorulfan Sulfate (A*DDT Endorulfan Endorum En			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U		NA NA 0.26 1.3 0.5 0.11 1.25 0.55 0.69 0.11 0.35 0.09 0.11 0.35 0.35 0.35 0.35
Aldrin Hepuchlor Epoxide Endorulfan Dieklin Dieklin (4-DDE Endorulfan (4-DDD (n.pTDE) Endorulfan Sulfate (4-DDT) dethoxychlor Endrin Aldehyde Upha-Chlordane erma-Chlordane direx (asphene Uroclor-1016 Uroclor-1016			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U		NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.35 0.09 0.11 0.35 0.11 0.35 0.11 0.35 NA NA NA NA NA NA NA NA NA NA NA NA NA
Aldrin Hepuchlor Eponide Endorulfun Dicklin (A'-DDE Endrum (A'-DDE Endrum (A'-DDD (p.p'-IDE) Endorulfun (A'-DDT (b.p'-IDE) Endorulfun Endorulfun Sulfate (A'-DDT dethoxychlor Endrum Ketone Endrum Aldehyde Lipha-Chlordame Endrum Aldehyde Lipha-Chlordame Endrum Aldehyde Lipha-Chlordame Endrum Endrum Endrum Endrum Endrum Endrum Endrum Endrum Endrum Endrum End			0.05U 0.05U		NA NA NA 0.26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.35 0.09 0.11 0.35 0.11 0.35 0.11 0.35 0.11 0.35 0.11 0.35 0.11 0.35 0.37 0.37 2 2 2
Udrin			0.05U 0.05U		NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.35 0.09 0.11 0.35 0.11 0.35 0.11 0.35 NA NA NA NA NA NA NA NA NA NA NA NA NA
Aldrin Heputhlor Epoxide Endorulian I Dickin 1,4*-DDE Indorulian II 1,4*-DDD (p.p-TDE) Indorulian III 1,4*-DDT (p.p-TDE) Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate Indorulian			0.05U 0.05U		NA NA NA 1 0.26 1.5 0.5 0.5 0.11 1.25 0.09 0.11 0.35 0.11 0.35 NA NA NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2
Aldrin Heputhlor Epoxide Endorulian I Dickin 1,4*-DDE Indorulian II 1,4*-DDD (p.p-TDE) Indorulian III 1,4*-DDT (p.p-TDE) Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate 1,4*-DDT Indorulian Sultate Indorulian			0.05U 0.05U		NA NA NA 1 0.28 1.5 0.5 0.11 1.225 0.55 0.09 0.11 0.555 0.11 0.555 0.11 0.55 NA NA NA NA NA NA NA 1.7 1.2 NA 0.377 2 2 2 2
Aldrin Heputhlor Epoxide Endorulfan I Dieldrin (4-DDE Endorulfan III (4-DDD (p.p-TDE) Endorulfan III (4-DDD (p.p-TDE) Endorulfan III (4-DDD (p.p-TDE) Endorulfan Sulfate (4-DDT dethoxychlor Endrin Ketone Endrin Aldehyde Endrin Aldehyde Endrin Aldehyde Endrin En	. 0509/95	05/24/95	0.05U 0.05U		NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.55 0.09 0.11 0.55 NA NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2
Aldrin Hepuchlor Eponide Endorulian Dicklin (A'-DDE Endorulian A'-DDE Endorulian A'-DDD (p.p'-IDE) Endorulian A'-DDD (p.p'-IDE) Endorulian A'-DDT dethoxychlor Endorulian Sulfate (A'-DDT dethoxychlor Endorulian Sulfate A'-DDT dethoxychlor Endorulian Sulfate A'-DDT dethoxychlor Endorulian Sulfate A'-DDT dethoxychlor Endorulian dethoxychlor Endorulian dethoxychlor Endorulian dethoxychlor	. 05/09/95	05/24/95	0.05U 0.05U		NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.69 0.11 0.55 0.55 0.09 0.11 0.12 NA NA NA NA NA NA NA NA NA NA NA NA NA
Aldrin Heputhlor Epoxide Endorulian I Diedrin 1,4*-DDE Endorulian I 1,4*-DDD (p.p-TDE) Endorulian I 1,4*-DDD (p.p-TDE) Endorulian Sulfate 1,4*-DDT Methotychlor Endrin Ketone Endrin Aldehyde Endrin Ketone Endrin Aldehyde Endrin Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Chloridane Higha Libba Higha Higha Higha Libba Higha Higha Higha Libba Higha Higha Higha Libba Higha Higha Higha Libba Higha Higha Libba Li	.0509/95	05/24/95	0.05U 0.05U		NA NA NA 1 0.26 1.5 0.5 0.5 0.11 1.25 0.09 0.11 0.35 0.11 0.35 NA NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Aldrin Hepuchlor Eponide Endorulian I Dicklin (4*DDE Endorulian I Dicklin (4*DDE Endorulian I Dicklin (4*DDE) Endorulian II Dicklin Di	05/09/95	05/24/95	0.05U 0.05U		NA NA 1 0.26 1.5 0.5 0.11 1.25 0.09 0.11 0.35 0.11 0.35 0.11 0.35 NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Aldrin Heputhlor Epoxide Endorulian I Dickin Griden H. (*) DDE Endorulian II H. (*) DDD (p.p-TDE) Endorulian II H. (*) DDD (p.p-TDE) Endorulian III H. (*) DDD (p.p-TDE) Endorulian III H. (*) DDD (*) Hebroxychlor Endorulian Sulfate H. (*) DDT Hebroxychlor Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian Ketone Endorulian En	.0509/95	05/24/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U		NA NA NA NA NA NA NA NA NA NA NA NA NA N
Aldrin Hepuchlor Eponide Endorulian I Dicklin (4*DDE Endorulian I Dicklin (4*DDE Endorulian I Dicklin (4*DDE) Endorulian II Dicklin Di	.0509/95	05/24/95	0.05U 0.05U		NA NA 1 0.26 1.5 0.5 0.11 1.25 0.09 0.11 0.35 0.11 0.35 0.11 0.35 NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

-

Richmen, un

Non- Com

Charles of C

.

.......

:

Sample ID: BST-1-95-C-1.0 Lab ID: BST1C3 Elutriate Prep Date: 05/06/95	Data Patració	Data Acabasa	Method Detection Limit	Result	Acute Water Qu Criteria
Z S D D S	Date Extracted	Date Analyzed	ug/L 0.100	ne/L	ue/L 0.33
ndna			0.09U		0.09
indosilian []			0,10U 0,10U	<u> </u>	0.11
,4-DDD (p,p-TDE) indoselfan Sulfate	+	 	0.100	 	0.53
A'-DDT			0.100	<u> </u>	0.55
dethoxychlor ndrin Ketone			0.50U 0.10U		NA NA
Indrin Aldehyde	+		0.10U		- NA
lpha-Chlordane			0.0SU		1.2
amma-Chlordane		ļ	0.03U		1.2
direx oxaphene		-	0,10U 1,00U	·	0.37
troctor-1016			0.50U	 	2
roclor-1221			0.50U		2
Aroclor-1232			0.50U 0.50U		2
uroclor-1242 uroclor-1248			0.300		- 2
uroclor-1254	- 	-	0.300	 	
roclor-1260		j	0,300		2
RGANOPHOSPHORUS COMPOUNDS (SW846 8140): (olding time: 7 days to extract, 40 days to analyze	05/09/95	05/20/95			
arathon	030773	032075	1.00		0.063
hiorpynios			1.00		0.083
					
ISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140)il	1 1		1	
lolding time:	05/09/95	05/22/95	TATE		
herpynios	 	 	U0.1 U0.1		0.065
					0,003
LCOHOLS/ALDEHYDES (SW846 Modified 8015):					
olding time: None	1 _	05/15/95			
omaldehyde	 		5000U -	†	2190
Propinol	+	 	30000	 	2180 227,730
Propanol	1		5000U		443,165
ISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):		1			
olding time: None		05/17/95			
rmaldehyde	- 	-	5000U		2180
Propunol Propunol	+	 	30000		227,750 443,165
100,0101		 	2000	†	443,103
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/17/95	05/19/95		T	* *
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		i l	
minima	all except rig	an excepting	43,80	19,300	750
mony	 	 	3.60	3.6 UN	88
TETUC			1.60	4.0 BN	360
nium			7.90	170 B	20,500
ry Lium ron			0.20U 34.9U	2.1 B	NA 8030
dmam	+		0,300	0.34 B	1,79
romium III			10	46	984.32
balt			2.10	16.1 B	95
pper	 		0.90	36.4	9.22
ad ucury	05/24/95	03/31/93	2.1U 0.20U	28.6	33.78 2.4
kel	1	V	3.8U	31,2 B	789,01
enrum			2.10	2.1 UN	20
ver			0,60U	0.60 BN	0.92
allium nadum	1		3.4U 1.2U	45.1 B	65 513
ic C	 		2.IU	45.1 B 179 N	65.04
					49.47
ORGANICS - DISS. METALS (SW846 6000/7000):	05/17/95	05/25/95			
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		ļ [
manum			43.8U	174 BEN•	750
штопу			3.60		88
erut ium	ļ	T	1,60	I.7 B	360
ium yllium	 		7.9U 0.20U	224	20,500
ymun on	 		34,9U	226	NA 8050
neum			0.300		1,79
omum III			10		984.32
alt			2.1U 0.9U	Stocker comment of the single con-	95
per d	 -		2,10	40.5 N 2.1 UN*	9.22 33.78
u u u u u u u u u u u u u u u u u u u	05/24/95	05/31/93	0.20U	0.64	2.4
kel			3.80		789.01
niun	oxdot		2.10		20
er Birum	 1		0.60U 3.4U	0.60 UN	0.92
adium	 		1.20	2.1 B	65 515
			2.10	178 EN	63.04
RGANICS - OTHER (Results in me/L):	1 1				
onide	 	05/22/95	10	18	86,000
omium VI nide	 	05/09/95, 05/10/] 05/11/95	0.01U		NA 22
nige Li Residual Chlorine	 	32/09/83 02/10/	0.00		19
Suspended Solids		05/09/95, 05/10/ 05/12/95	iiv	442	NA.
S. INORGANICS - OTHER (Results in mg/L):	ļ ļ				
oride		05/22/95	וט	17	86,000
oride		3/09/93. 03/10/1	0.010	17	NA
S. NORGANICS - OTHER (Results in me/L); oride ornum VI nude J. Kendual Chlorine	 		0.01U 0.01U 0.01U 0.1U	17	

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Ertimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Drupicate analysis not within control limits

DL - Detection limit

EL - Ertimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: BST-1-95-C-3.75 Lab ID: BST1C5 Elutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ve/L	Acute Water Quality Criteria ug/L,
VOLATILE ORGANICS (SW846 8240):				-	
Holding time: 14 days Acetone		5/8/95	160	24	446,000
Acrolan			100U		455
Acrylonitrile Benzene	<u> </u>	ļ	100U		643
Bromodichloromethane			100		NA.
Bromoform Bromomethane			100		1825 NA
2-Butanone (MEK)			100		NA 161,000
Carbon Tetrachloride 2-Chloroethylvinylether			100		2780 17,500
Chlorobenzene Chloroethane			100		I I 80
Chloroform		<u> </u>	100		1945
Chloromethane 1,2-Dichloropropane			100		NA 10,825
1,1-Dichloroethane			100		NA
1,2-Dichloroethane 1,1-Dichloroethene			100		15,440 7460
Dibromochloromethane			100		6730
1,2-trans Dichloroethylene cis-1,2-Dichloroethene			100		1000 305
cis-1,3-Dichloropropene			100		305 2900
trans-1,3-Dichloropropene Ethylbenzene			100		21,400
2-Hexanone			100	***	26,000
4-Methyl-2-Pentanone (MIBK) Methylene Chloride			100	7 JB	11,840 NA
Styrene / Tetrachloroethylene			100		695
1,1,1,2-Tetrachloroethane			100		1040 NA
1,1,2,2-Tetrachloroethane Toluene			100		1040
1,1,1-Trichloroethane			100		3023
1,1,2-Trichloroethane Trichloroethene (TCE)			100		3390 2250
Vinyl Chloride			100		NA
Xylener (Total)			100		1033
SEMIVOLATILE ORGANICS (SW846 8270); Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/20/95			
Phenol pis(2-chloroethy) ether			160		100 30,000
2-Chlorophenol			100		560
3-Dichlorobenzene 1,4-Dichlorobenzene			100		345 730
,2-Dichlorobenzene			100		820
2-Methylphenol bis(2-chloroisopropyl)ether			100		NA 4,545
L-Methylphenol			160		NA
N-Nitroso-di-n-propylamine Hexachloroethane			100		NA 60
Nitrobenzene Isophorone			100	11	4,040 10,400
2-Nitrophenol			100		8,000
1,4-Dimethylphenol 1,4-Dichlorophenol			100	2.7	660 1,685
2.4-Trichlorobenzene			16.7		130
Vaphthalene I-Chloroaniline			100		133 NA
exachlorobutadiene			10U 10U		10 NA
is(2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol)			100		133
lexachlorocyclopentadiene 1,4,6-Trichlorophenol			100		{
,4,5-Trichlorophenol			300		100
-Chloronaphthalene Dimethyl phthalate			100		NA 2,475
cenaphthylene			100		NA
,6-Dinitrotoluene			100	-	990 85
,4-Dinitrophenol			50U		655
-Nitrophenol	- 1				2,335
4. Dinitrotoluene			50U	·	1 300
.4-Dinitrotoluene biechylphthalate			100	- 17	1,390
historylephthalate			10U 10U 10U	17	1,390 4,000 NA
iechylphthalate -Chlorophenyl-phenylether			10U 10U 10U 10U 30U		1,390 4,000 NA NA NA
ichylphtialate Chlorophenyl-phenylether borene 6- Dinuro-2-methylphenolNirosodiphenylamine			10U 10U 10U 10U 30U 10U	17	1,390 4,000 NA NA NA NA 293
ichylphthalate Chlorophenyl-phenylether Iborene 6- Dinitro-2-methylphenol -hirosodiphenylamine Bromophenyl-phenylether eachlorobenzene			10U 10U 10U 10U 10U 30U 10U 10U	1)	1,390 4,000 NA NA NA 293 270 NA
ichylphthalate -Chlorophenyl-phenylether			10U 10U 10U 10U 30U 10U		1,390 4,000 NA NA NA 293 270
ichylphtalate -Chlorophenyl-phenylether			10U 10U 10U 10U 30U 10U 10U 10U 30U 10U 10U	17	1,390 4,000 NA NA NA 293 270 270 NA c (1.005(pH)-1,830) 5
ichylphthalate -Chlorophenyl-phenylether loorene -C-Diuro-2-methylphenol -Nitrosodiphenylamine -Bromophenyl-phenylether exachlorobentzene enuchlorophenol henandrene nitracene -in-buryl phthalate			10U 10U 10U 10U 10U 10U 10U 10U 50U 10U 10U 10U	17	(1,590 4,000 NA NA NA 295 270 NA e (1,005(pH)-4,830) NA 105
ischylphtalate -Chlorophenyl-phenylether			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U	17	(1,590 4,000 NA NA NA 295 270 NA (1,005(ph)=1,830) 5 NA 105 200 NA
ichylphtalate Chlorophenyl-phenylether lborene 6-Dinuro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether etaschlorobenzene entachlorophenol hersandvene nitracene i-n-batyl phthalate uteranlikene yrene yrene yrene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U	1)	(1,590 4,000 NA NA NA NA 275 270 NA e (1,005(pH)-4,830) NA 105 200 NA
ischylphtalate Chlorophenyl-phenylether lborene 6-Dintor-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether etaschlorobenzane enuchlorophenol henandrene nthracene -in-busyl phthalate buoranthene yene yene yene yene yene yene yene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U	17	(1,590 4,000 NA NA NA 105 270 NA e (1,005(pH)-4,830) NA 105 200 NA 140 NA
ichylphtalate Chlorophenyl-phenylether borene 6-Dinutro-2-methylphenol 6-Dinutro-2-methylphenol 6-Dinutro-2-methylphenol 6-Dinutro-2-methylphenol 8-bromophenyl-phenylether 8-bromophenyl-phenylether 8-bromophenyl-phenylether 8-bromophenol 8			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U	17	(1,590 4,000 NA NA NA NA 295 270 NA e(1,005/Ph-1,810) NA 105 200 NA 140 NA 0,5 NA
ichylphtalate Chlorophenyl-phenylether borene 6-Dinitro-2-methylphenol 6-Dinitro-2-methylphenol 6-Dinitro-2-methylphenol 8-bromophenyl-phenylether exachlorobenzene enu-chlorophenol herandwene nitracene 1-n-buyl phihalate uoranthene yrene uytehenyl-phthalate 3-Dichlorobenzidine enzo(abnitracene kryene sig 2-Eulylkexyl)phihalate 1-n-octyl phihalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U	17	(1,590 4,000 NA NA NA 193 270 NA e (1,005(pH)-1,830) 5 NA 103 200 NA 140 NA 0,5 NA
ischylphtalate Chlorophenyl-phenylether Iborene 6-Dinutro-2-methylphenol 6-Dinutro-2-methylpheno			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U	17	(1,590 4,000 NA NA NA 103 270 NA e (1,005(ph)=1,830) 5 NA 105 200 NA 140 NA 0.3 NA
ischylphtalate Chlorophenyl-phenylether Iborene 6-Dinitro-2-methylphenol 6-Dinitro-2-methylphenol 6-Dinitro-2-methylphenol 6-Dinitro-2-methylphenol 6-Dinitro-2-methylphenol 8-Intercophenyl-phenylether 8-Intercophenol 8-In			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U	17	(1,590 4,000 NA NA NA NA 273 270 NA e (1,005/pHp-1,830) 3 NA 103 200 NA 140 NA 0,3 NA 100 NA
.4-Dinitrotoluene).6-Dinitrotoluene).6-Dinitrotoluene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		(1,590 4,000 NA NA NA 103 270 NA e (1,005(pH)-1,830) 5 NA 105 200 NA 140 NA 140 NA 140 NA
icetylphtalate Chlorophenyl-phenylether laorene 6-Diniuro-2-methylphenol 6-Diniuro-2-methylphenol 6-Diniuro-2-methylphenol 6-Nitrosodiphenylamine Bromophenyl-phenylether etaschlorophenol henandrene nutriacene 1-n-butyl phthalate luoranthene yrene gyrene gyrene sig-2-Ehylhexyl) phthalate luoranthene yrene sig-2-Ehylhexyl) phthalate sig-2-Ehylhexyl) phthalate etazo(a) anniuracene hervene lexicolituoranthene etazo(a) principhenolituoranthene etazo(a) pyrene (BaP) deno(1,25-delpyrene libeny(a, b) andrasene etazo(a) pyrene libeny(a, b) andrasene etazo(a) pyrene libeny(a, b) andrasene etazo(a) pyrene libeny(a, b) andrasene libeny(a, b) andrasene etazo(a, b) pyrene libeny(a, b) andrasene etazo(a, b) pyrenee libeny(a, b) andrasene libeny(a, b) andrasene etazo(a) pyrenee			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		(1,590 4,000 NA NA NA 193 270 NA e (1,005(pH)-1,830) 5 NA 105 200 NA 140 NA 140 NA 100 NA 140 NA
Jiechylphthalate Chlorophenyl-phenylether Inorene 6-Dinino-2-methylphenol 6-Dinino-2-methylphenol 6-Dinino-2-methylphenol 6-Nirosodiphenyl-phenylether Isachdropenzene enschlorophenol henandrene mitracene henandrene jandrac			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		(1,590 4,000 NA NA NA NA 293 270 NA e (1,005/pH)+830) 3 NA 103 200 NA 140 NA 0,5 NA 140 NA NA NA NA
icetylphtalate Chlorophenyl-phenylether laorene 6-Diniuro-2-methylphenol 6-Diniuro-2-methylphenol 6-Diniuro-2-methylphenol 6-Nitrosodiphenylamine Bromophenyl-phenylether etaschlorophenol henandrene nutriacene 1-n-butyl phthalate luoranthene yrene gyrene gyrene sig-2-Ehylhexyl) phthalate luoranthene yrene sig-2-Ehylhexyl) phthalate sig-2-Ehylhexyl) phthalate etazo(a) anniuracene hervene lexicolituoranthene etazo(a) principhenolituoranthene etazo(a) pyrene (BaP) deno(1,25-delpyrene libeny(a, b) andrasene etazo(a) pyrene libeny(a, b) andrasene etazo(a) pyrene libeny(a, b) andrasene etazo(a) pyrene libeny(a, b) andrasene libeny(a, b) andrasene etazo(a, b) pyrene libeny(a, b) andrasene etazo(a, b) pyrenee libeny(a, b) andrasene libeny(a, b) andrasene etazo(a) pyrenee			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		(1,590 4,000 NA NA NA NA 293 270 KA (1,005(pH)-1,830) 5 NA 103 200 NA 140 NA 0,5 NA 140 NA 100 NA 140 140 140 140 140 140 140 140

A Section

Sample ID: BST-1-95-C-3.75 Lab ID: BST1C5 Elutriste Prep Date: 05/06/95	Date Extracted	Date Anahized	Method Detection Limit up/L	Result ug/L	Acute Water Quality Criteria ue/L
DISS. SEMIYOLATILE ORGANICS (SW846 8279); Holding time: 7 days to extract, 40 days to analyze	05/09/95	05/21/95			
Phenol bis(2-exisoroethyl)ether			100		100 30,000
2-Chlorephenol			100		560
1,3-Dic:korobenzene		<u> </u>	100		345 730
1.2-Dic*'orobenzene			100		820
2-Methythenol bis(2-chloroisopropyl)ether		 	100	- 11	NA 4,545
4-Methy tohenol			100	2.7	NA
N-Nitrosp-di-n-propylamine Hexachiproethane		 	100		NA 60
Nitrobezzene			100		4,040
Isophorone 2-Nitrophenol		 	100	8.1	10,400 8,000
2,4-Duochylphenol 2,4-Dic≟orophenol			100	7.1	660
11.2.4-Trichlorobenzene	 	 	100		1,685
Naphtha'ene 4-Chlorospiline			100		133 NA
Hexachiorobutadiene			100		10
bis(2-Chloro-thoxy)methane 4-Chloro-1-methylphenol (p-chloro-m-cresol)			100		NA ISS
Heasthorocyclopentadiene 2.4.6-Trichlorophenol			100		133
2.4.6-Trichlorophenol			10U 30U		100
2,4,5-Tochlorophenol 2-Chloronaphthalene			100		NA NA
Directivi phthalate A cenaphthylene			100		2,475 NA
2,6-Duc-owluene			100		990
A cenaph hene 2,4-Durzophenol	-1	 	10U 30U		85
2,4-Durrophenol 4-Niprophenol			300		2,335
2,4-Duurotoluene Diethyhhthalate		 	100		1,390
4-Chlorophenyl-phenylether			100		NA
Fluorene 4,6-Due-zo-2-methylphenol	 		10U 30U		NA NA
N-Nitrosodiphenylamine			100		295
4-Bromophenyl-phenylether Hexachlorobenzene	- -		100		270 NA
Pentachiorophenol			30U		e (1.003(pH)-4,830)
Phenantzene Anthrecene			100		NA -
Di-n-bowl phthalate			100		103
Fluorammene Pyrene			100		200 NA
Butylbezzył phthalate 3,3'-Dictilorobenzidine			10U 20U		140
Benzo(a anthracene			10		NA
Chrysene			100		NA NA
Bis(2-E-rylhexyl)phthalate Di-n-octyl phthalate			100	6.1	NA 100
Benzo(s)Euoranthene Benzo(s)Euoranthene			100		NA NA
Benzota pyrene (BaP)			100		NA
Benzot i pyrene (BiP) Indeno(1,2,3-ed)pyrene Dibenz i h)anthracene			100		NA NA
Benzo(g,h_i)perylene N-nitrosodimethylamine			100		NA
N-nitrosodimethylamine Benzidne			100U 100U		17,100 295
1,2-Diphenyl-n-hydrazine			1000		15
Benzyl Alcohol			100		NA NA
PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze	05/09/95	05/14/95			
alpha-BHC beta-BHC			0.05U 0.05U		NA NA
delta-BHC gamma-BHC (Lindane)			0.03U 0.03U		NA NA
Heptachior	<u> </u>		0.030	-	0.26
Aldrin Heptacilor Epoxide			0.05U 0.05U		0.5
Endorulan I			0.05U		0.11
Dieldran 4,4'-DDE	- -		0,10U 0,10U		1.25 0.55
endrin			0.09U		0.09
Endosti'in [[4,4'-DDD (p,p'-TDE)			0.10U 0.10U		0.11
Endosulan Sulfate			0.100		0.11
4,4'-DDT Methoxychlor	+		0.10U 0.30U		0.55 NA
Indrin Kelone			0.100		NA _
Indrin Aldehyde	 	 -	0.100		NA 1.2
emma-Chlordane			0.03U		1.2
Mirex Oxaphene			0.100		0.37
Vrodor-1016			0.500		2
Vrocior-1221 Vrocior-1232	 		0.50U 0.50U		2
kroclor-1242			0.300		2
Lroclor-1248 Lroclor-1254	 		0.50U 0.50U		2 2
Lroclor-1260			0.300		
STOCKLI VEN PECTICINECACTE CHEAL CACAL	1		——————————————————————————————————————		
DISSOLVED PESTICIDES/PCBS (SW846 8080) Solding time: 7 days to extract, 40 days to analyze	05/09/95	05/24/95			
lpha-BHC	 		0.05U 0.05U		NA NA
eta-RHC					NA NA
ets-BHC			0.05U		NA NA
ets-BHC			0.030		1
eta-BRC eta-BRC amma-BRC (Lindane) (spachlor John			0.03U 0.03U 0.03U		0.26 1.5
eta-BHC eta-BHC aruna-BHC (Lindane) leptachlor			0.03U 0.03U		0.26

ample ID: BST-1-95-C-3.75 ab ID: BST1C5 lutriate Prep Date: 05/06/95			Method Detection Limit	Result	Acute Water Qu Criteria
3-DDE	Date Extracted	Date Analyzed	ue/L 0.10U	ne/L	8e/L 0.55
ndrun	 	 	0.09U		0.09
ndosulfan II			0.10U		0.11
4'-DDD (p,p'-TDE) ndosulfan Sulfate			0.10U 0.10U		0.53
4'-DDT	 	 	0,100		0.33
ethoxychlor	†		0.50U		NA
ndrin Ketone			0.10U		NA
ndrin Aldehyde			0.100		NA.
pha-Chlordane mma-Chlordane		 	0.03U 0.03U		1.2
nex	 		0.100		NÃ.
oxephene	 	 	1.000		0.37
roclor-1016	1		0.50U		2
roclor-1221			0.500		
oclor-1232 oclor-1242	+	 	0,300		
octor-1248	+	1	0.300		- 2
oclor-1254			0,500		2
roctor-1260			0.50U		2
RGANOPHOSPHORUS COMPOUNDS (5 9/846 8140):	 				
olding time: 7 days to extract, 40 days to analyze	05/09/95	05/20/95			
ratuon	 		1.00		0.065
lorpytifos	 		1.00		0.083
ISS. ORGANOPHOSPHORUS COMPOUNDS (SWIM6 8140)	.1	1			
olding time: 7 days to extract, 40 days to analyze	05/09/95	05/22/95			ŀ
rathion			1.00		0.063
dorpynios			1.00		0.083
	1	 			
COHOLS/ALDEHYDES (SWB46 Modified B015):	1]			l
olding time: None		05/15/95			
rmaldehyde			5000U		2180
Propanol			3000U		227,750
ropanol		——————————————————————————————————————	5000U		443,165
	 	 			
ISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	1	05/17/95			!
olding time: None rmaldchyde	 	03/1//93	50000		2180
Propanol	 	 	30000		227,750
Propanol	1		5000U		443,165
ORGANICS - TOTAL METALS (SW846 6000/1000):	05/17/95	05/19/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
ununum			43.8U	2200	750
itimony			3.60	3.6 UN	88
senic		l	1.60	1.6 UN	360
rium rylbum	 	ļ	7,9U 0.20U	31.0 B	20,500 NA
ron	 	1	34.90	84.7 B	8030
druum	<u> </u>		0.30U		1.79
uromirum III			JU I	9	984.32
balt		L	2.10	2.2 B	93
pper	 		0.9U 2.1U	22.8 B*	9.22 33.78
ad roury	03/24/93	05/31/95	0,20U	2.4 B*	2.4
ikel	032475	02/31/77	3.8U	5.2 B	789.01
enium	<u> </u>		2.10	2.1 UN	20
να			0.600	0.60 UN	0.92
Album			3.40	- SEA N	65
nadnum	 	ļ	1.2U 2.1U	25.9 B 28.9 N*	515 65.04
16	 		2.10	10.7 N	03.04
ORGANICS - DISS. METALS (SW846 6000/7000):	05/17/95	03/25/95			
	1)	İ	l	
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	177 BEN*	750
umony	1		3.6U	17, 55,11	88
ene			1.60		360
ium			7.9U	89.6 B	20,500
yllium			0,20U 34,9U	66.2 B	NA 8030
on mum	 		0.300	V0.2 B	1.79
omium III			10		984.32
pult			2.10		95
per			0.90	3.8 BN	9.22
d	05/24/95	05/31/93	2.1U 0.20U	2.1 UN*	33.78 2.4
rcury kel	03/24/73	A3123	3.8U		789.01
enium	 		2.10		20
'ਰ			0.60U	0.60 UN	0.92
Hium			3.40		65
edium t			1.2U 2.1U	323 EM.	515 65.04
			2.10	77.2	0,,04
		1	<u>-</u>		
DRGANICS - OTHER (Results in most)-		05/22/95	ບ	20	86,000
	ļ l				NA
oride		05/09/95, 05/10/	0.01U		
oride omium VI rude		05/05/95, 05/10/	0.0IU		22
oride omium VI mide al Kesidual Chlorine		05/09/95, 05/10/ 05/11/95 05/09/95, 05/10/	0.0U 0.1U		19
oride omium VI unide al Kesidual Chlorine		05/05/95, 05/10/	0.0IU	488	22
oride omium VI unde al Kesdual Chlorine al Suspended Sobids		05/09/95, 05/10/ 05/11/95 05/09/95, 05/10/	0.0U 0.1U	488	22 19
oride romum VI mude al Kesidual Chlorine al Surpended Solids S. NORGANICS - OTHER (Results in m=/L);		05/09/93, 05/10/ 05/11/93 05/09/93, 05/10/ 05/12/93	0.0IU 0.1U 1U		22 19 NA
oride romium VI tride al Kesidual Chlorine al Suspended Sobds S. NORGANICS - OTHER (Results in me/Li); oride		05/09/95, 05/10/ 05/11/95 05/09/95, 05/10/ 05/12/95 05/22/95 05/09/95, 05/10/	0.01U 0.1U 1U 1U 0.01U	488	22 19 NA 86,000 NA
DRGANICS - OTHER (Results in me/L): oride orium VI trude al Kesidual Chlorine al Suspended Solids S. NORGANICS - OTHER (Results in me/L): oride ornium VI trude al Kesidual Chlorine		05/09/95, 05/10/ 05/11/95 05/09/95, 05/10/ 05/12/95	0.0IU 0.1U 1U		22 19 NA 86.000

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL. (inorganics)

* Duplicate analysis not within control limits

DL - Detection limit

E - Brimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: BST-2-95-C-0.0 Lab ID: BST2C0 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ng/L	Result ug/L	Acute Water Quality Criteria ve/L
VOLATILE ORGANICS (SW846 8240);					
Holding time: 14 days		05/16/95			
Acrolein	 	 	1000	35	446,000
Acrylomitrile			1000		643
Benzene Bromodichloromethane		ļ	100		640 NA
Bromoform	 		100		1825
Bromomethane			100		NA 161,000
2-Butanone (MEK) Carbon Tetrachlonde	 		100		2780
2-Chloroethylvinylether			100		17,300
Chlorobenzene			100		TIBO NA
Chloroform	 	 	100		1945
Chloromethane			100		NA NA
I.2-Dichloropropane I.1-Dichloroethane	T		100	ļ	10,825 NA
1,2-Dichloroethane	 	† <u>-</u>	ToU		15,440
1.1-Dichloroethene			100		7460
Dibromochloromethane 1.2-trans Dichloroethylene	 	 	100	 	6750
cis-1,2-Dichloroethene	1	<u> </u>	100		305
cis-1,3-Dichloropropene			100		305
trans-1,3-Dichloropropene Ethylbenzene	 	 	100	<u> </u>	2900 21,400
2-Hexanone			100		26,000
4-Methyl-7-Pentanone (MIBK)		ļ	100	2 ЛВ	11,840
Methylene Chloride Styrene	 	 	100	1 JB	NA 693
Tetrachloroethylene			IOU		1040
1,1,1,2-Tetrachloroethane			100		NA 1040
Toluene	<u> </u>		100		1630
1.1.1-Inchloroethane			100		3025
1,1,2-Trichloroethane Trichloroethene (TCE)	 	 	100		3390 2250
Vinyl Chlonde			100		NA.
Xylenes (Total)			100		1055
SEMIYOLATILE ORGANICS (SY846 8270): Holding time: 7 days to extract, 40 days to analyze	05/15/95	05/23/95	•		
Phenol			100		30,000
bis(2-chloroethyl)ether 2-Chlorophenol	 		100		30,000
1,3-Dichlorobenzene			100		345
1,4-Dichlorobenzene			100		730 820
1,2-Dichlorobenzene 2-Methylphenol	 		100		NA NA
bis(2-chloroisopropyl)ether			10U		4,545
4-Methylphenol N-Nitroso-di-n-propylamine	 		100		NA NA
Hexachloroethane			10U		60
Nitrobenzene			U01		4,040 10,400
Isophorone 2-Nitrophenol			100		8,000
2,4-Dimethylphenol			100		660
2,4-Dichlorophenol			100		1,685
1,2,4-Trichlorobenzene Naphthalene			100	····	133
4-Chloroaniline			100		NA
Hexachlorobutadiene bis(2-Chloroethoxy)methane			100		10 NA
4-Chloro-3-methylphenol (p-chloro-m-cresol)	 		100		133
Hexachlorocyclopentadiene			100		3
2,4,6-Trichlorophenol 2,4,5-Trichlorophenol			10U 30U		100
2-Chloronaphthalene			100		NA
Dimethyl phthalate Acenaphthylene			100		2,475 NA
2.6-Distrotoluene	 		10U		998
Acenaphthene			100		83
2,4-Dinitrophenol	 	•	50U 50U		655 2,335
4-Nitrophenol 2.4-Dinitrololoene	 		100		1,390
Diethylphthalate			100		4,000
f-Chlorophenyl-phenylether Pluore:ie			100		NA NA
6-Dinitro-2-methylphenol	 		300		NA
N. Nitrosodiphenylamine - Bromophenyl-phenylether			100		295
I-Bromophenyl-phenylether Hexachlorobenzene	 		100		270 NA
entachlorophenol			30U		e (1.005(pH)-4,830)
henanthrene			100		3
unthracene N-n-butyl phthalate	 		100		NA 105
luoranthene	<u> </u>		10U		250
утепе			100		NA.
Sutylbenzyl phthalate _3'-Dichlorobenzidine	 		10U 20U		140 NA
lenzo(a)anthracene			10		0.5
hrysene			100		NA
is(2-Ethylhexyl)phthalate	 		100		NA 100
i)-n-octy phthalate lenzo(b) (luoranthene			10U		NA
ienzo(k)liuoranthene			100		NA NA
Senzo(a)pyrene (BaP) ndeno(1,2,3-cd)pyrene Dibenz(a,h)anturacene	 		100_		NA .
Dibenz(a,h)anthracene			100		NA
enzo(g,h,i)perylene		!	100	I	NA 17,100
-nitrosodimethylamine enzidine	 		100U		295
,2-Diphenyl-n-hydrazine		i	1000		15
senzył Alcohol			100	<u>_</u>	NA NA
		<u>-</u>	,i.		

Name of Street

4.000

Sample ID: BST-2-95-C-0.0 Lab ID: BST2C0	T		Method Detection		Acute Water Quality
Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Linit ve/L	Result ve/L	Criteria ug/L 0.35
4'S-DDE			0.00U		0.55
Endrin Endosulian II	 	l	0.100		0.11
4.4'-DDD (p,p'-TDE)			0.10U		0.55
Endosulfun Sulfate 4.4'-DDT			0.10U 0.10U		0.11
Methoxychlor			0.50U		NA
Endrin Ketone			.010U		, NA
Endrin Aldehyde alpha-Chlordane	ļ		0.10U		NA 1.2
gamma-Chlordane			0.05U		1.2
Mirex			. 0.100		0.37
Toxaphene Aroclor-1016			1.00U 0.30U		2
Arocior-1221			0.50U		2
Aroclor-1232			0.300		2
Aroclor-1242 Aroclor-1248		<u> </u>	0.50U 0.50U		
Arocior-1234	 		0.30U		1
Aroclor-1260			0.50U		2
					
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):		ŀ l			
Holding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95			- A ACC
Parathion	ļ		1.60		0.063 0.083
Chlorpyrifos			1.00		
DISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 B140):	I				
Holding time: 7 days to extract, 40 days to analyze	05/18/95	05/26/95			0.065
Parathion Chlorpyrifos	 		1.00		0.083
CHOLOSTOR					
ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	1				
Holding time: None	l _	05/17/95			
Formaldehyde			5000U		2180
1-Propanol			3000U		227.750
2-Propanol			3000U		443,165
DISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):		05/18/95			
Holding time: None Formaldehyde		02,075	5000U		2180
1-Propanol			50000		227,750
2-Propanol	ļ		3000U		443,163
PORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95			
	1				
Holding time: 6 mo. (28 days Hg) Ahuminum	all except Hg	all except Hg	43.8U	78,300	750
Альтопу			3.6U	3.6 UN	88
Arteruc			1.60	28.1 N	360 20,500
Barnem			7.9U 0,20U	626 N* 0.65 B	20,500 NA
Beryllium Boron			34.9U	136	8050
Cadmium			0,30U	1.3 B	1.79
Ciromium III			2.10	198 31.5 E	984.32 95
Copper			0.90	106 N	9.22
Lead			2.10	85.8 • •	33.78
Mercury	5/26/95, 5/31/95	06/05/93	0.20U 3.8U	0.29 108 EN	2.4 789.01
Nickel Selenium			2.10	9.8 N	20
Silver			0.60U	2.2 BN	0.92
Thallium			3.4U 1.2U	6.9 BN 167 EN	65
Vanadium Zine	<u> </u>		2.10	462 EN*	65.04
INORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95			
Holding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
Aluminum			43.8U	136 B*	750
Antimony			3.60		88 360
Arsenic Barium			7.9U	18.7 B	20,300
Berylhum			0.20U		ŃĀ
Boron			34.90		8050 1.79
Cadmium Chromium III			0,30U 1U	1.4 B	984.32
Cobalt			2.10		95
Соурет			0.90	449	9.22
Lead Mercury	05/24/95	05/31/93	2.1U 0.20U	11.7	33.78 2.4
Nickel	U.H.2473	UN 31/73	3.8U		789.01
Selenium			2.10	A /A 151	20
Süver			0.60U 3.4U	0.60 UN	0.92 65
Dullium Vanadium			1.20		313
Zine		==	2.10	127	65.04
					
NORGANICS - OTHER (Results in me/L):		05/12/95	າບ	11	86,000
Chloride Chromium VI	 -	05/12/95	0,010		NA
Cyanide		03/22/95	0.01U		22
Total Residual Chlorine		05/12/95 05/12/95	6.10	2320	19 NA
Total Suspended Solids		03/12/93	10		
DISS. INORGANICS - OTHER (Results in mg/L):					
Chloride		05/22/95	เบ	. 10	86,000
Chromium VI		05/12/95	0.01U		NA 22
Cyanide Land Regidual Chlorine		05/22/93	0.01U	0.2	

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

* Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: BST-2-95-C-0.75 Lab ID: BST2C1 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quality Criteria up/L
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days Acetons		05/16/95	100	29	446,000 455
Acrolein			1000		455 645
Acrylomitile Benzene			100		640
Bromodichloromethane			100		NA 1825
Bromoform Bromomethane			10U		NA.
2-Butanone (MEK) Carbon Tetrachlonde			100	ļ	161,000 2780
2-Chloroethylvinylether			100		17,500 1180
Chlorobenzene Chloroethane			100		NA_
Chloroform			100		1945 NA
Chloromethane 1.2-Dichloropropane			100		10.825
1,2-Dichloropropane 1,1-Dichlorocthane			100		NA 15,440
I 2-Dichloroethane I I-Dichloroethane			100		7460
Dibromochloromethane 1,2-trans Dichloroethylene			100		6730 1000
cis-1,2-Dichloroethene			100		305 305
cts-1,3-Dichloropropene trans-1,3-Dichloropropene			100		2900
Ethylbenzene			100		21,400 26,000
2-Hexanone 4-Methyl-2-Pentanone (MIBK)			100		11,840
Methylene Chloride			100	3 ЛВ	NA 693
Styrene Tetrachloroethylene			100		1040
1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane			100		NA 1040
Toluene			100		1650
1,1,1-1 richloroethane			100		3025 3390
1,1,2-Trichloroethane Trichloroethene (TCE)			100		2250
Vinyl Chloride Xylenes (Total)			100		NA 1055
Aylena (16th)			100		
SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/15/95	05/23/95	160		100
Phenol bis(2-chloroethyl)ether			100		30,000
2-Chlorophenol 1,3-Dichlorobenzene			100		560 345
1,4-Dichlorobenzene			100		730 820
1,2-Dichlorobenzene 2-Methylphenol		<u></u>	100		NA.
bis(2-chloroisopropyl)ether			10U		4,545 NA
4-Methylphenol N-Nitroso-di-n-propylamine			100		NA
Hexachloroethane Nitrobenzene			100		4,040
sophorone			100		10,400
7-Nitrophenol 2,4-Dimethylphenol			100		660
2.4-Dichlorophenol 1.2.4-Trichlorobenzene			100		1,685
Naphthalene			100		133
4-Chloroaniline Hexachlorobutadiene			10U 10U		NA 10
bis(2-Chloroethoxy)methane			100		NA 133
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopenudiene			100		133
2,4,6-Trichlorophenol			10U 30U		100
2,4,5-Trichlorophenol 2-Chloronaphthalene			10U		NA
Dimethyl phthalate A cenaphthylene			100		2,475 NA
7,6-Dirutrotoluene			100		990
Acenaphthene 2,4-Dinitrophenol			10U 30U		83 635
1-Nitrophenol			SOU		2,335
A-Dinitrotoluene			100		1,590 4,000
Diethylphthalate 6-Chlorophenyl-phenylether			100		NA
Fluorene 1,6-Diratro-2-methylphenol			10U 30U		NA NA
N-Nitrosodiphenylamine			100		295 270
- Bromophenyl-phenylether - Lexachlorobenzene			100		NA.
entschlorophenol			30U 10U		e (1.005(pH)-4,830)
Phenanthrene Anthracene			100		Ńλ
Di-n-butyl phthalate			100		105 200
Juoranthene Yrene			100		NA
Sutylbenzyl phthalate 1,3'-Dichlorobenzidine			10U 20U		140 NA
J.3'-Dichlorobenzidine Benzo(a)anthracene			10		0.5
hrysene			100		NA NA
Sis(2-Ethylhexyf)phthalate Di-n-octyl ph:halate			100		100
senzo(b)fluoranthene			10U 10U		NA NA
Senzo(k)finoranthene Senzo(a)pyrene (BaP)			100		NA.
ndeno(1,2,3-cd)pyrene			100		NA NA
Senzo(g.h.)perylene V-nitrosodimethylamine			10U		NA 17,100
Senzidine			100U 100U		29.5
2-Diphenyl-n-hydrazine			100U 10U		13 NA
			100	,	ואה
Benzyj Alcohol					

.

.

Sample ID: BST-2-95-C-0.75 Lab ID: BST2C1 Clutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Qualit Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270):	05/13/95	05/24/95_			1
Holding time: 7 days to extract, 40 days to analyze	03/13/72	0,0,2,4,7,	100		100
ns 3-chloroethy bether			100		30,000
-Olorophenol 3-Dichloroberzene			100		345
.4-Dichlorobenzene			100		730 820
2-Dichloroberzene			100		NA
l-Methylphenol nis(2-chlorousopropyl)ether			100		4,545
- Methylphenol			100		NA NA
-Niroso-di-n-propylamine exachloroethane		[100		- 60
restentoroentre			100		4,040
pophorone			100	2 J	10,400
-Nitrophenol 4-Dimethylphenol			100		660
4-Dichlorophenol			100		1,683
2,4-Trichlorobenzene			100		130
ephthalene Chloroaniline			100		NA.
lexachiorobutadiene			100		10
ns/2-Chloroethoxy)methane			100		NA 135
Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene			180		3
4.6-Trichlorophenol			100		3
4,5-Trichlorophenol			30U 10U		100 NA
-Chloronaphthalene himethyl phthalase			100		2,475
cenaphthylene			100		NA 990
6-Dinitrotoluene			100		990
cenaphthene 4-Dinitrophenol			30U		635
- Surophenol 4- Divigrotohiene			300		2,335
4-Dinitrotoluene			100		1,390 4,000
nethylphthalate Chlorophenyl-phenylether			100		NA.
norene			10U 30U		NA NA
.6-Dinitro-2-methylphenol			100		293
-Nitrosodiphenylamine -Eromophenyl-phenylether			100		270_
exachlorobenzene			10U 50U		NA e (1.005(pH)-4,830
entachlorophenol henanthrene			100		3
nthracene			100		NA_
n-n-butyl phthalate			100		105
Inoranthene viene			100		NA.
viene un ibenzyl phthalate			10U		140
3'-Dichlorober.zidine			20U 1U		0.5
enzo(a)anthracene hrysene			100		NA_
ux 2-Ethylhexyl)phthalate			100		NA 100
h-n-octyl phthalate			100		
erizo(b)fluoranthene erizo(k)fluoranthene			100		NA.
enzo(a)pyrene (BaP) ndeno(1,2,3-ed pyrene nbenz(a,h)anthracene			100		NA NA
ndeno(1,2,3-cd pyrene			100		NA
re-zo(g,h,i)perylene			100		NA.
-rutrosodimethylamine			1000		17,100 293
erandine 2-Diphenyl-n-hydrazine			100U		15
=:zyl Alcohol			100		NA NA
ESTICIDES/PCBS (SW846 8080)					ļ.·
olding time: 7 days to extract, 40 days to analyze	05/15/95	05/19/95	0.05U		NA NA
>ta-BHC ≈-BHC			0.03U		NA.
S-BHC			0.05U		NA .
cruna-BHC (Lindane)			0.05U 0.05U		0,26
rptachlor Krin	 		0.05U		1.5
rachlor Epoxide			0.05U		0,3
odosulfan I			0.05U 0.10U		0.11 1.25
eldrin C-DDE			0.100		0.33
drin .			0.09U		0.09
dosulfan II			0.10U 0.10U		0.11
C-DDD (p.p-TDE) Horulfan Sulfate			0.10U		0.11
:-DDT			0.100		0.55 NA
≃hoxychlor dnn Ketone			0.50U .010U		NA NA
dnn Ketone dnn Aldehyde			0.10U		NA
sha-Chlordane			0.05U		1.2
mma-Chlordane			0.05U 0.10U		
Laphene			1.000		0.37
oclor-1016			0,30U 0,50U		2 2
reclor-1221 reclor-1232			0.30U		
oclor-1242			0.50U		2
oclor-1248			0.30U 0.30U		2
octor-1254			0.30U		
octor-1260			3.540		
SSOLVED PESTICIDES/PCBS (SW846 8080)					
olding time: 7 days to extract, 40 days to analyze	05/18/95	05/20/95			NA NA
ha-BHC			0.05U 0.05U		NA NA
→BHC			0.030		NA_
			0.05U		
runa-BHC (Lindane)					
rana-BHC (Lindane)			0.05U		0.26 1.5
					0.26

iample ID: BST-2-95-C-0.75 .ab ID: BST2-C1 Llutriate Prep Date: 05/09/95		Data :	Method Detection	Result	Acute Water Qua Criteria
A-DUE	Date Extracted	Date Analyzed	0.100	ug/L	#g/L 0.55
ndun	 		0.09U		0.09
ndorulfan II			0.100		0.11
,4'-DDD (p,p'-TDE) ndorulfan Sulfate			0.10U		0.55
ndorulfan Sulfate	ļ		0.100		0.11
4: DDT Action verifier	 		0.10U 0.50U	}	NA NA
ndrin Kelone			.0100	 	NA NA
indrit Aldehyde	 		0.10U		NA
lphs-Chlordane			0.03U		1.2
amma-Chlordane			0.05U		1.2
durex			0.100		NA NA
oxighene	 	 	1,00U 0,30U		0,37
urocler-1016	 		0,30U		2
rocio:-1221 trocio:-1232		 	0.30U		
Lrodor-1242	 		0.300		
Lroclor-1248	1		0.300		2
uroclor-1254			0.30U		2
roder-1260			0.500		2
PRGANOPHOSPHORUS COMPOUNDS (SW846 8140);	 				
folding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95			
arathion	ļ	L	1.00		0.063
hlorpynlos	 	 	1.00	 	0.083
	 	 		 	
ISS ORGANOPHOSPHORUS COMPOUNDS (SW846 8140)	4 04,444	1 0,000]	
lolding time: 7 days to extract, 40 days to analyze	05/18/95	05/26/95	1.00		0.063
arathon Morpyrifos	 	 	1.00	 	0.083
IDOT VT I LLOS	1	 			
I COUNT EAT DEHADES CEMATE M-114-1 641 EM	T		 _	T	
LCOHOLS/ALDEHYDES (SW846 Modified 8015):	1	1 00		1	
olding time: None	 	05/18/95			
ormaldehyde			5000U		2180
Propunol	<u> </u>		3000U		227,750
Propunol	ļ	<u> </u>	3000U		443,165
					
ISS. ALCOHOLS/ALDEHYDES (STVR46 ModUled 8015):	1			1	
olding time: None		05/18/95	- CANALIT		2180
ormaldehyde			5000U 5000U		227,750
Propanol Propanol	 	l	30000		443,165
e expense.	 	 		T	
JODGANICE TOTAL METALE CHARLE CARACTANA.	05/18/95	05/20/95			
ORGANICS - TOTAL METALS (SW846 6000/7000);	1			ļ	
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		TO THE WAY AND THE STATE OF THE	730
Jumenum			43.8U 3.6U	7,040 3.6 UN	88
numony remu	 	 	1.60	3.6 UN 3.5 BN	360
ariam	 		7.90	143 BN*	20,300
eryllium	 		0.200	6.4	- NA
oren			34,9U	125_	8030
edmium	 	l	0,30U 1U		1,79 984,32
nromum III			2.10	16.9_BE	984.32
obalt	 		6.90	10.5 BE	9.22
opper	 		2.10	11.0	33.78
ad ercury	5/26/95, 5/31/95	06/03/93	0.20U		2.4
ckel	1		3.8U	18.7 BEN	789.01
leniam			2.10	2.1 UN	20
ver			0.60U	0.6 UN	0.92
ialham			3.4U	3.4 UN	63
una di jum			1.20	83.1 EN	313
ne	 		2.10	262 EN•	63.04
ORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
unsium	ļ <u> </u>		43.8U	149 B*	750
prioni	ļI		3.60		88 360
senic rium	 		1.6U 7.9U	137 B	20,300
rybun	 		0.200	17, 5	NA NA
ron	1		34.9U	50.6 B	8050
drawn			0,30U		1.79
romum III			10		984.32
balt			2.10	2.2 B	95
ррег			0.90	######################################	9.22
ad	05/24/95	03/31/93	2.1U 0.20U	7.8	33.78 2.4
roury	03/24/93	C (11 C // C // C	3.8U	 	789.01
kel enium	 		2.10		20
vet	 -		0.60U	0.60 UN	0.92
allium			3.4U		65
nadium			1.20	1.8 B	315
ic	لتتتا		2,1U		63.04
					
ORGANICS - OTHER (Results in me/L):	[. /				
lonide		05/12/95	10	17	86,000
romum VI	ļ	05/12/95	0.010		NA 22
artide		05/22/95 05/12/95	0.01U 0.1U		22 19
al Keridual Chlorine al Suspended Solids	 	03/12/93	10	3200	NA.
an ambended annum	 	VA1473		7,500	
SS. NORGANICS - OTH R (Results in mg/L):	 				
NATIONAL AND AND AND AND AND AND AND AND AND AND	1 1	05/22/95	10	17_	86,000
ords				1/_	
loride		03/17/95	0.0113	,	NA.
loride romum VI		05/12/95 05/22/93	0.01U		NA 22
doriđe uromitum VI zaruđe otal Keridual Chlorine		03/12/95 03/22/93 03/12/93		0.3	22 19

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

* - Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

PLATILE ORGANICS (SW846 8240); Ming time: 14 days stone					
lding time: 14 days			<u> </u>		
		05/13/95			
			100	39	446,000
rolein		 	1000		645
rylonumie nzene		 	100		640
omodichloromethane			100		NA 1825
omoform		ļ	100		NA
omomethane Outanone (MEK)		 	100_		161,000
bon Tetrachloride			100		2780 17,500
hloroethylvinylether		 	100		17,300
orobenzene loroethane		 	10U		NA.
oroform			100		1945
oromethane			100		NA 10,825
-Dichloropropane -Dichloroethane			1 - 180 - 1		NA NA
-Dichloroethane			100		15,440
-Dichloroethene			100		7460
promochleromethane		ļ	100		6750 1000
-trans Dichloroethylene			100		305
1,3-Dichloropropens			100		305
ns-1.3-Dichloropropene			100		2900 21,400
ylbenzene		 	100		26,000
lexanone Methyl-2-Pentanone (MIBK)			100		[1,840
thylene Chlonde			100	6 JB	NA 603
Tene			100		695
rachloroethylene .1.2-Tetrachloroethane		 	100		NA.
,1,2-Tetrachloroethane		<u> </u>	TOU		1040
mene			100	8 1	1630 3023
.1-Trichloroethane			100		3390
,2-Trichloroethane chloroethene (ICE)		 	100		2230
nyl Chlonde			100		NA.
lenes (Total)			100		1055
MIVOLATILE ORGANICS (SW846 8270):	05/11/95	05/22/95			
lding time: 7 days to extract, 40 days to analyze	03/11/93	03/22/3	100		100
(2-chloroethyl)ether			160		30,000
hlorophenol			100		360
-Dichlorobenzene			100		730
-Dichlorobenzene	- 		100		820
-Dichlorobenzene Aethylphenol			16U		NA NA
(2-chloroisopropyl)ether			100		4,545 NA
dethylphenol		 	100		
Nitroso-di-n-propylamine xachloroethane		 	iŏŏ		- 60
robenzene			100		4,040 [0,400
phorone		ļ	100		8,000
-Dunethylphenol			180		660
-Dichlorophenol			100		1,685
,4-Inchlorobenzene			100		130
phtralene Thloroanthne		 	100		NĂ
xachlorobutadiene			100		10
(2-Chloroethoxy)methane hloro-3-methylphenol (p-chloro-m-cresol)			100		NA 133
hloro-3-methylphenol (p-chloro-m-cresol)			100		
xachlorocyclopentadiene ,6-Trichlorophenol			iõu		3
3-Inchlorophenol			50U		100
hloronaphthalene			100		NA 2,475
nethyl phihalate enaphthylene		 	100		NA
-Dimbrotoluene			100		990
enaphthene			700		83
-Dimitrophenol		 	500		655 2,335
litrophenol			50U 10U		1,390
-Diratrototuene thylphdialate		 	100		4,000
hlorophenyl-phenylether			100		NA
orene			100		NA NA
Dirutro-2-methylphenol		 	30U 10U		NA
Nitrosodiphenylamine Iromophenyl-phenylether		 	100		270
cachlorobenzene			100		NA NA
tachlorophenol			300		e (1.005(pH)-4.830
nanthrene		ļ	100		NA NA
thracene n-butyl phthalate			100		103
oranthene			100		200
ene			100		140
yibenzyi phthalate		 	10U 20U		140 NA
-Dichlorobenzidine izo(a)anthracene		 	10		0.5
ysene			100		NA.
(2-Ethylhexyl)phthalate			100		NA 100
n-octyl phthalate		L	10U 10U		100 NA
izo(b):fluoranthene		 	100		NA
as (b) hu as a than a			100		NA NA
20(k)Buoranthene					
izo(k)Buoranthene izo(alpyrene (BaP) eno(1.23-cd)pyrene			100		NA
uzo(x)Buoranhene uzo(a)pyrene (BaP) enz(a, handuracene enz(a, handuracene			100		NA.
120(k) (luonunthene 2004 (nyviner (BaP) eno(1,23-d) pyrene end(a), hunduracene 2006 (h. i perijene			100		NA NA
czec y lutoranniene zzek j pyrene (BaP) zzek j pyrene (BaP) enzi a h handracene zzek pi pyrenjene urosodzmethylamine zidne			100		NA

Same of Charle

47.00

Sample ID: CRC-1-95-C-0.0 Lab ID: CRC1C0 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quality Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270); Holding time: 7 days to extract, 40 days to analyze	05/12/95	05/23/95			
Pherol	V31233	V22273	TOU		100 30,000
bist's -chloroethyl)ether 2-Chlorophenol			100		360
1,3-Dichlorobenzene			100		345 730
1,4-Dichlorobenzene			100		820
7-Methylphenol bis(2-chloroisopropyl)ether		ļ	100		NA 4,545
4-Methylphenoi			100	1.79	NA NA
N-Nivoso-di-n-propylamine Hexschloroethane			100		
Nitrobenzene			100		4,040 10,400
Isophorone 2-Nitrophenol		h	10U		8,000
2.4-Dimethylphenol			100	2 ЛВ	660 1,685
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			10U		130
Naphthalene 4-Chloroaniline			100		133 NA
Herachlorobutadiene			100		IO NA
nst 2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			100		133
Hexachlorocyclopentadiene			100		
Hexschlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol			SOU		100
2-Chloronsphthalene			100		NA 2,475
Dimethyl phthalate Acenaphthylene			100		NA.
& Dinitrotoluene Acenaphthene		ļ <u>-</u>	100		990 85
2,4-Dinitrophenol			SOU		655
i-Nitrophenol 3,4-Dirutrotoluene		<u> </u>	30U		2,335 1,590
Diethylphthalate			100		4,000 NA
4-Chlorophenyl-phenylether Puorene		<u> </u>	100		NA
(6-Dirutro-2-methylphenol			30U 10U		NA 295
N-Nitrosodiphenylamine 4-Bromophenyl-phenylether			100		270
Hexachlorobenzene			10U 30U		NA e (1.005(pH)-4,830)
Pentachlorophenol Phenantivene			100		3
Anthracene			100		NA 105
Di-n-butyl phthalate Fluoranthene			100		200
Pyrene Butylbenzyl phihalaie			100		NA 140
3'-Dichlorobenzidine			200		NA.
Benzo(a)anthracene Orrysene			100		0.5 NA
His(2-Ethylhexyl)phthalate			100	2 J	NA 100
Di-n-octyl phthalate Benzo(b)fluoranthene			100		NA
Penno(k)finocanthene			100		NA NA
Benzo(a)pyrene (BaP) Indeno(1,2,3-ed)pyrene Obenzi ah anthracene Senzo(ah)pyrene N-nitrosodimethylamine			100		NA
Dibenz(s,h)anthracene			100		NA NA
Senzo(g,n) perylene N-nitrosodimethylamine			100U		17,100
Benzidine ,2-Diphenyl-n-hydrazine			100U 100U		29.5 15
Benzyl Alcohol			100		NA.
DECALCIDE DODG COMMAN AND AND AND AND AND AND AND AND AND A			<u> </u>		
PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/18/95			
dpha-BHC			0.03U 0.03U		NA NA
eta-BHC lelta-BHC			0.050		NA_
amma-BHC (Lindane)			0.05U		0.26
lepuchlor Udrin	-		0.03U 0.03U		1.5
eptachlor Epoxide			0.05U 0.05U		0.3
ndosulfan l Dieldrin			0.10U		1.25
,(-1)DE indrin			0.10U 0.09U		0.55
ndosulian II			0.10U		0.11
.e'-DDD (p.p'-TDE) ndorulfan Sulfate			001.0 001.0		0.55 0.11
4'-DDT			0.10U 0.30U		0.33 NA
dethoxychlor Indrin Ketone		 	.010U		NA
ndrin Aldehyde			0.1CJ 0.05U		NA 1.2
pha-Chiordane amma-Chiordane			0.05U		1.2
Arex			0.10U 1.00U		NA 0,37
oxaphene .roclor-1016			0.500		2
grocior-1221 grocior-1232			0.50U 0.50U		2 2
roclor-1242			0.50U		2 2
roclor-1248 roclor-1254			0.50U 0.50U		2
roclor-1260			0.30U		2
ICCUI VED BECTTCIDE DCBC (CBP14 BARA)					
ISSOLVED PESTICIDES/PCBS (SW846 8080) olding time: 7 days to extract, 40 days to analyze	05/10/95	05/19/95			
phs-BHC es-BHC			0.05U 0.05U		NA NA
etra-BHC			0.03U		NA
	1		0.030		0.26
amma-BHC (Lindane)			0.05U		
epuchlor Idrin			0.050		1.3
auma-DHC (Lindane) repuschlor Idrin repuschlor Epoxide ndorul(an I			0.03U 0.03U 0.03U		

Sample ID: CRC-1-95-C-0.0 Lab ID: CRC1C0 Llutriate Prep Date: 05/08/95		D	Method Detection Limit	Result	Acute Water Qual Criteria
A-DDE	Date Extracted	Trate Vusivzed	u e/L 0.10U	<u>υ</u> σ/L.	<u>ве/L.</u> 0,55
ndna			0.090		0.09
ndose: fan II			0.10U		0.11
4'-DDD (p,p'-TDE)			0.100		0.33
ndorulfan Sulfate			0.10U 0.10U		0.11
4'-DDT			0.300		NA NA
ethoxychlor			.0100		- ÑÃ
ndrin Ketone	 	 	0.100		NÃ.
ndrin Aldehyde			0.030		1.2
phi-Cilordane ruma-Cilordane			0.03U		1.2
urex			0.100		NA
oxaphene			1.00U		0.37
roclar-1016			0.50U		
roclor-1221			0.500		2
roclor-1232			0.50U		2
roclor-1242			0.300		2
rocior-1248		L.,	0.500		2
octor-1234	_	ļ	0.300		
roclor-1760			0.500	ļ	2
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):	 				
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95		i I	
tarpou	1 02,077	- 032.77	1.00		0.065
longymios			1.00		0.083
uoij+1.4.00					
CO ADDINONIACHIANIS ACLARISM ATTACA	.]			,	
SS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140	05/10/95	05/24/95			
olding time: 7 days to extract, 40 days to analyze	CANTER	UN4443)	1.00		0.063
rathion			1.00		0.083
lorpytilos	+		1.50		V
ASTALOU ENDINGE STREET	 				
COHOLS/ALDEHYDES (SW846 Modified 8015):	1	I		l i	
olding time: None		05/17/95			
smaldchyde	J]	5000U		2180
Propanol	+		30000		227,730
Proparo	+		3000Ü		443,163
	 				
CO. LI COMOLOU I DENINDES COMOLO MA ANTA COLO	1				
SS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015);	1	05/11/95			
kling time: None muldehyde	 	0311173	3000U		2180
ropenol			30000		2180 227,750
торалоі			5000U		443,165
1920	1				
	040004	ocnone			
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
uninun]	1	43.8U	18,500	750
Dimony			3.60	3.6 UN	88
sen¢	+		1.60	14.7 N	360
non			7.90	236 N*	20,500
ryllion .			0.20U	0.54 B	NA.
ron			34.9U	193	8050
âmicra			0.300	21 B	1.79
rommum III			10	82	984.32
balt	1		2.10	21.2 BE	95
pper	1		0,90	93.7 N	9.22
14			2.10	1)B *	33.78
тску	<u> </u>	06/05/95	0.200		2.4
:kel		l	3.8U	35.2 BEN	789.01
eniun		l	2.10	3.7 BN	0.92
vet		L	0,600	3.2 BN	
llium		 _	3.4U 1.2U	4.4 BN	65_
nadrem	 			52.1 EN	515 6304
e	 		2.10	389_EN*	63.04
	+	 			
ORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95		l	
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
manum	1		43.8U	294 *	750
rmony	1		3.60		88
ense	T		1.60	3.6 B	360
nun	T		7.90	432_	20,500
yllium	T		0.20U		NA
	1		34.9U	187	8050
oft			0.30U		1.79
on			0.300		984.32
rott Impum			10	!	
on Inven omuun III			1U 2.1U		95
on Intern ontun III sali pper			2.1U 0.9U	(2)(2)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)	9.22
on Inven once			1U 2.1U 0.9U 2.1U	3.4 B	9.22 33.78
on Imperior	05/24/93	05/31/95	1U 2.1U 0.9U 2.1U 0.20U	37.8 + 3.4 B 0.49	9.22 33.78 2.4
on Immen omnum III salt species of the control of t	05/24/93	05/31/95	1U 2.1U 0.9U 2.1U 0.20U 3.8U	3.4 B	9.22 33.78 2.4 789.01
on Import	05/24/93	05/31/95	1U 2.1U 6.9U 2.1U 6.20U 3.8U 2.1U	3.4 B 0.49	9,22 33,78 2,4 789,01 20
on Imperior on Imp	05/24/93	05/31/95	1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U	3.4 B	9,22 33,78 2,4 789,01 20 0,92
on Imperation of the control of the	05/24/93	05/31/95	1U 2.1U 6.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	0.49 0.60 UN	9,22 33,78 2,4 789,01 20 0,92 65
on Impum onnum III sali pper d cury kel minum er illium	05/24/95	05/31/95	1U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U	0.60 UN	9,22 33,78 2,4 789,01 20 0,92 63 515
on Impum onnum III sali pper d cury kel minum er illium	05/24/95	05/31/85	1U 2.1U 6.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	0.49 0.60 UN	9,22 33,78 2,4 789,01 20 0,92 65
on Immun III salt salt salt salt salt salt salt salt	05/24/93	05/31/95	1U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U	0.60 UN	9,22 33,78 2,4 789,01 20 0,92 63 515
ron Imprem Impre	05/24/93		1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	3.4 B 0.49 0.60 UN 5.0 B	9,22 33,78 2,4 789,01 20 0,92 65 315 65,04
on Immun III on	05/24/93	05/12/95	1U 2.1U 0.9U 2.1U 0.70U 3.3U 2.1U 0.60U 3.4U 1.2U 2.1U	0.60 UN	9,22 33,78 2,4 789,01 20 0,92 65 513 65,04
ron thrown thrown the control of the	05/24/95	05/12/95 05/12/95	1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	3.4 B 0.49 0.60 UN 5.0 B	9,22 33,78 2.4 789,01 20 0,92 65 515 65,04
on Improm omnum III sali sali sali sali oper d creary kel muun cr ilinum dutum dutum c DEGANICS - OTHER (Results in me/L): oride	05/24/93	05/12/95 05/12/95 05/12/95	1U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U 2.1U	3.4 B 0.49 0.60 UN 5.0 B	9,22 33,78 2,4 789,01 20 0,52 65 315 65,04
ron timers ronnen	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95	1U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U 2.1U	0.60 UN 5.0 B	9,22 33,78 2,4 789,01 20 0,92 65 51,5 65,04 86,000 NA 22 19
ron Improm Impro	05/24/95	05/12/95 05/12/95 05/12/95	1U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U 2.1U	3.4 B 0.49 0.60 UN 5.0 B	9,22 33,78 2,4 789,01 20 0,92 65 315 65,04
ron durum ronnum III balt ronnum III balt pper id recry tel el entum ver tillium nadeum ic DRGANICS - OTHER (Results in me/L): oride oride la kestual Chlorine	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95	1U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U 2.1U	0.60 UN 5.0 B	9,22 33,78 2,4 789,01 20 0,92 65 51,5 65,04 86,000 NA 22 19
ron durum	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95	1U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U 2.1U	0.60 UN 5.0 B	9,22 33,78 2,4 789,01 20 0,92 65 51,5 65,04 86,000 NA 22 19
ron drivers romann III ball poper of recry kel ensum recr litters anders cer Control	05/24/93	05/12/95 05/12/95 05/12/95 05/12/95	1U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.1U 1U	0.60 UN 5.0 B	9,22 33,78 2,4 789,01 20 0,92 65 51 51,5 65,04 86,000 NA 22 19 NA
ron drucm drucm ronnum book per d d recuy kel emun er dillum nadrum G DRGANICS - OTHER (Results in me/L): oride ornum VI nude al Kendual Chlorine al Surpended Solids S. NORGANICS - OTHER (Results in me/L): oride	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	1U 2.1U 0.9U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.01U 0.01U 0.1U 1.U	3.4 B 0.49 0.60 ON 5.0 B 22	9,22 33,78 2,4 789,01 20 0,92 65 51 51,5 65,04 86,000 NA 22 19 NA
ron driven driven driven de de de de de de de de de de de de de	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	1U 2.1U 0.9U 2.1U 0.20U 3.3U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.1U 1U	3.4 B 0.49 0.60 ON 5.0 B 22	9,22 33,78 2,4 789,01 20 0,92 65 51 51,5 65,04 86,000 NA 22 19 NA
oron admicin brownium III bobali obali opper end end erecury ickel element librar libr	05/24/93	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	1U 2.1U 6.9U 2.1U 6.9U 2.1U 6.9U 2.1U 6.0U 6.0U 6.0U 6.0U 6.0U 6.0U 6.0U 6.0	3.4 B 0.49 0.60 ON 5.0 B 22	9,22 33,78 2,4 789,01 20 0,92 65 51,5 65,04 86,000 NA 22 19 NA

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Erimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

N - Spiked sample recovery not within control limits

E - Erimated value because of presence of interference

Blank spaces represent non-detected compounds.

Entrins Prep Date 2508055 Date Anthred safe	Sample ID: CRC-1-95-C-3.5			Method Detection	<u> </u>	At. Water Onelin
Bibliog (size 11 days	Lab ID: CRC1C3 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Limit		
100			04/1004			
American 100			03/13/95		46	446,000
Extension	Acrolein					
Second 100				100		640
Passwort 102 100						NA
		 		180		NA NA
Total Content Total Conten	2-Butanone (MEK)			100		161,000
Colorentess	Carbon Tetrachloride					
Columnic Columnic	Chlorobenzene			100		
Colorina Colorina Colorina Colorina Colorina Colorina Colorina Colorina Colorina Colorina Colorina Colorina Colorina Colorina Co		ļ				
1.		 		100		NA
1. Tribit processor 10	1.2-Dichloropropane				<u> </u>	77
II. Declarementary	1.1-Dichloroethane			100		15,440
	1.1-Dichloroethene			100		
Carl	1.2-trans Dichloroethylene			100		1000
Times	cis-1,2-Dichloroethens					305
Early Security 100 1,240	trans-1.3-Dichloropropens	 		100		2900
EMPORT Tempone (MBR)	Ethylbenzene	<u> </u>			ļ	21,400
Section Chemical 100	4-Methyl-2-Pentanone (MIBK)	 		100		11,840
100 1040 1	klethylene Chloride				6 JB	NA 661
1.1.1.2	Tetrachlomethylene	 		100		1040
Tobase Total Tot	1,1,1,2-Tetrachloroethane					NA 1040
Inchrene three	1,1,2,7-Tetrachloroethane	 		100		1650
	1,1,1-Inchloroethane			100		
Vary Chieses 10U 1033		 				
STMYOLATILE ORGANICS STYME \$170k Bolding time: 7 days to extract, 49 days to analyze DST		İ		100		NA
Bioling time: 7 days to extract, 40 days to analyze	Xylenes (Total)			100		1033
Bioling time: 7 days to extract, 40 days to analyze	SEMINOLATILE ORGANICS (SWM6 8770):	 				
Panel		05/11/95	05/22/95			
Displayment Displayment	Phenol			100		
	2-Chlorophenol			100		360
17.1016/processors 10.0	1,3-Dichlorobenzene					345
Description		 				
100 1 4,23 1,23	2-Methylphenol			100		NA
100 NA Histochorostens 100 60 60 60 60 60 60 6	bis(2-chloroisopropyl)ether	ļ			23	4,545 NA
	N-Nitroso-d-n-propylamine			100		
100	Hexachloroethane					
1. 100 1. 1. 1. 1. 1. 1.				100		10,400
1,4 Englowephenol 1,683 1,500 1,683 1,000 1,683 1,000	2-Nitrophenol					8,000
17.24-fricklorobenzane 100 135				100	-	1,685
Chlorostaches	1,2,4-Tricklorobenzene			100		
Heast-loro-bundens	Maphthalene 4-Onloroantime	 		100		ŇĀ
100 155	Hexachlorobutadiene					
	bis(2-Chloroethoxy)methane	<u> </u>				
100	Hexacinorocyclopeniaciene					
100	2.4.6-Inchorophenol	 				
Content Final Price Fina	2-Chloronaphthalene			100		NA
100 590 100						
Acenaphtheme	2,6-Dinitrotoluene			100		990
A-Nitrophenol 100	Acenaphthene					
100				50U		2,335
ACDistrophenyl-phenylether	2.4-Dimitrotoluene			100		1,590
Phorense	Diethylphthalate	<u> </u>				
N.Nirosochyshenylamins	Phorene			100		NA.
L. Bromophenyl-phenylether	4.6-Dinutro-2-methylphenol					NA
Hesselhorobenzens 100	4-Bromophenyl-phenylether			100		270
Phenandrene	Hexachlorobenzena					e (1.005(pH)-4.830)
Anthriene	Phenandurene			100		3
Department Dougle	Anthracene					
Prince 10U NA	In-n-outy phinaiste			100		200
3.7-Dichlorobenzdine 20U NA	Рутепе			100		
Democial antifureme	Butylbenzyl phthalate					
Chrysten				10		0.5
Display Disp	Chrysene			100		
Depart of the property of th	D-n-octyl phthalate			IOU		100
Benzo(s) Internations	Berizo(b)fluoranthene			100		NA.
10U NA 10Hem(1/23-cd)pyrene 10U NA 10Hem(2/23-cd)pyrene 10U 17,100 17,10	Benzo(k)fluoranthene		 {			
Diberts Divide	Indeno(1,2,3-cd)pyrene			IOU		NA
N-nirrosodimethylamine 100U 17,100	Dibenzia hanthracene			100		NA.
Beraidine 1000 273 13 13 13 13 14 15 15 15 15 15 15 15	N-nitrosodimethylamine			1000		17,100
	Benzidine					
	i 2-Diphenyi-n-hydrazine i senzyi Alcohol					

ample ID: CRC-1-95-C-3.5 ab ID: CRC1C3 llutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ne/L	Result	Acute Water Quali Criteria up/1,
ISS. SEMIVOLATILE ORGANICS (SW846 8170): olding time: 7 days to extract, 40 days to analyze	05/12/95	05/23/95			T
nenol		3,2,7,7	100		100
s(2-chloroethyl)ether Chlorophenol			100	· · · · · · · · · · · · · · · · · · ·	360
3-Dichlorobenzene			160		730
4-Dichlorobenzene 2-Dichlorobenzene	-1		100		820
Methylphenol			100		NA 4,545
s(2-chloroisopropyl)ether Methylphenol			160		NA.
Methytphenol Nitroso-di-n-propylamine			100		NA 60
exachloroethans trobenzene			100		4,040
ophorone			100		10,400
Nitrophenol - Dimethylphenol		 	100		660
4-Dichlorophenol			100		1,685
2,4-Trichlorobenzene aphthalene			160		133
Chleroaniline			100		NA 10
exachlorobutadiene s(2-Otloroethoxy)methane			100		NA.
Chloro-3-methylphenol (p-chloro-m-cresol)			100		155
exachlorocyclopentadiens 4,6-Trichlorophenol			100		1 3
4 S-Trichlorophenol Chloronaphthalene			300		100
Chloronaphthalene imethyl phthalate	 		100		NA 2,475
cenaphthylene			100		NA
6-Directrosofuene			100		990
enaphthene 4-Dingrophenol	 -		300	L	633
Nitrophenol			300		2,335 1,590
4-Dirutrotoluene ethylphthalate		 	100		4,000
Chlorophenyl-phenylether			100		NA.
uorene 5-Dirusto-2-methylphenol		 -	10U 30U		NA NA
Nitrosodiphenylamine			100		293
Bromophenyl-phenylether zachlorobenzene		ļ	100		270 NA
ntschlorophenol			500		e (1.005(pH)-4,830
enanthrene nthrecene			100		NA NA
-n-butyl phthalate			100		105
uorantiene	_		100		200 NA
rene nylbenzyl phthalate			100		140
3-Dichlorobenzidine			200		0.5
nzo(a)anthracene urysene			100	····	NA.
s(2-Ethylhexyl)phthalate			100	2 J	100
-n-octvi phthalate nzo(b)fluoranthene			100	·	NA NA
nzo(k)fluoranthene			100		NA NA
nzo(1)pyrene (BaP) deno(1,23-ed)pyrene			100		NA NA
benzi s.h)anthracene			100		NA
nzo(g h.i)perylene nirosodimethylamine			10U 100U		17,100
nzidzne			100U		293
P-Diphenyl-n-hydrazine			100U 10U		NA
12) / Alcollot					
STICIDES/PCBS (SWB46 B080)				•	
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/18/95	0,03U		NA.
a-BHC ta-BHC			0.05U 0.05U		NA NA
mma-BHC (Lindane)			0.03U		1
piachlor			0.03U		0.26
Irin ptachlor Epoxide			0.05U 0.05U		1,5 0,5
iosulfan J			0.05U		0.11
Idna -DDE			0.10U 0.10U	0.04 J	1.25 0.55
drin			0.09U		0.09
description 1	 		0.100	•	0.11
iorulfan Sulfate			0.100		0.11
-DDT thoxychlor			0.10U 0.30U		0.53 NA
trin Ketone			.010U		NA_
irin Aldehyde na-Chlordane	 		0.10U 0.03U		NA 1.2
una-Chiordane			0.030		1.2
ex taphene	-		0.10U 1.00U		NA 0.37
octor-1016			0.50U		2
clor-122] clor-1232	 		0.50U 0.50U		2 2
octor-1242			0.300		2
sclor-1248 sclor-1254			0.50U 0.50U		2 2
clor-1234			0.50U		2
	+				
SOLVED PESTICIDES/PCBS (SW846 8080)	05/10/95	05/19/95			İ
ding time: 7 days to extract 40 days to analyse	477,147,7		0.050		NA.
n-BHC			0.030		NA
na-BHC -BHC					
ddip time: 7 days to extract, 40 days to analyze na-BHC -BHC -BHC Uma-BHC (Lindane)			0.05U 0.05U		NA .
us-BHC -BHC S-BHC Uma-BHC (Lindane) sachlor			0.05U 0.05U 0.05U		0.26
ns-BHC -BHC ns-BHC (Lindane)			0.05U 0.05U		

ample ID: CRC-1-95-C-3.5 ab ID: CRC1C3 Jutriste Prep Date: 05/08/95			Method Detection Limit	Result	Acute Water Qui Criteria
7 N. 1	Date Extracted	Date Analyzed	0,10U	<u> </u>	<u>ur/L</u> 0.33
	 		0.09U		0.09
storulfan II			0.10U		0.11
4-DDD (p,p'-TDE) ≾orulin Sulfate			0.10U 0,10U		0,53 0,11
storalfan Sulfate 4-DDT	 	ļ	0.100	 	0.55
enoxychlor	 		0.300		NA
in Ketone			.010U		NA_
Ain Aldehyde			0.10U		NA.
-:			0.030		1.2
Tota-Ordordane	 		0.030		NĀ.
Tuphene	 		1.000	 	0.37
octor-1016			0.50U		2
rclor-1221			0.500		2
oclor-1232	L		0.500		2
octor-1242			0.50U 0.50U	 _	
pcior-1248	 		8,300	 	
eclor-1254 eclor-1260	 	 	0.300	 	2
(40)-1700	 				
RGANOPHOSPHORUS COMPOUNDS (5W846 8140);	ornont	0472704			
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/23/95	1.00		0.065
7-Euon Corporifos	 		1.00		0.083
	1				
SS ORGANOPHOSPHORUS COMPOUNDS (SW846 8140)					
olding time:	05/10/95	05/24/95	1.00		0.063
Tabon Corporatos	 	 -	1.00	 	0.083
Ser years					
COHOLS/ALDEHYDES (SW846 Modified 8015):	T	[
	}			1	
olding time: None	 	05/17/95	forest.	 	2100
maldehyde	 		5000U 5000U	ļ	2180 227,730
торало!	 	 	3000U	 	443,165
TOOLINI	 			 	,,,,,,,
	 				
SS_ALCOHOLS/ALDEHYDES (SW846 Modified 8015); Idine time: None	ł _	05/11/95		1	
maldehyde		- V.7.1.7.2	3000U		2180
торалої			\$000U		227,750
ाल्ह्यावो			\$000U		443,165
	<u> </u>			 	
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95		1	
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
minum			43.8U	140,000	750
Thony			3.60	3.6 UN	88
KCK .			1.60	76.2 N 749 N°	360 20,500
Titing	ļ		7.9U 0.20U	9.0	NA NA
Y Estim	 		34.90	133	8030
70h	 		0.300	4.8 B	1.79
ingen ryesum III	 		10	438	984.32
a)	† · · · · · · · · · · · · · · · · · · ·		2.10	101 B	95
त्र व			0.90	503 N°	9.22
4			2.10	419	33.78_
- COLY	5/26/95, 5/31/95	06/05/95	0.20U 3.8U	1.7 165 EN	789.01
π θ			2.10	10.2 N	20
enem C			0.600	14.BN	0.92
ica Lium	 				
salaman			3.4U	3.4 UN	65
			1.20	3.4 UN 721 EN	65 515
				3.4 UN	65
			1.20	3.4 UN 721 EN	65 515
	05/19/95	\$/25/95, \$/31/95	1.20	3.4 UN 721 EN	65 515
CONTRACTOR OF THE STATE OF THE	05/19/95 all except Hg	\$/25/95, \$/31/95 all except Hg	1.2U 2.1U	3.4 UN 721 EN 805 EN	65 513 65.04
DRGANICS - DISS, METALS (SW846 6000/7000); Cling time: 6 mo. (28 days Hg)			1.2U 2.1U	3.4 UN 721 EN	65 515 65.04
CREANICS - DISS, METALS (SW846 6000/1000); Ming time: 6 mo. (28 days Hg)			1.2U 2.1U 43.8U 3.6U	3.4 UN 721 EN 805 EN	65 515 65.04 730 88
E DRGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) Thum There T			1.2U 2.1U 43.8U 3.6U 1.6U	3.4 UN 721 EN 803 EN	65 515 65.04 750 88 360
CRGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) Thirtium T			1.2U 2.1U 43.8U 3.6U 1.6U 7.9U	3.4 UN 721 EN 805 EN†	65 515 65.04 750 88
DRGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) mount eac eac eac eac			1.2U 2.1U 43.8U 3.6U 1.6U 7.9U 0.20U 34.9U	3.4 UN 2721 EN 305 EN 4 305 EN 4 6.7 B 830 0.38 B 366	55 515 65.04 750 88 360 20,500 NA 8050
CONTRACTOR OF THE PROPERTY OF			1.2U 2.IU 3.8U 3.8U 1.8U 7.9U 0.20U 34.9U 0.30U	3.4 UN	65 515 65,04 750 88 360 20,500 NA 8050 1,79
CRGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) Thum Thu			43.8U 3.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U	3.4 UN 2721 EN-3 805 EN-4 	55 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32
CRGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) TERLIN			1.2U 2.1U 3.8U 3.6U 1.6U 7.9U 0.70U 34.9U 0.30U 1U 2.1U	3.4 UN	65 515 65,04 750 88 360 20,500 NA 8050 1.79 984.32
DRGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) mount eac cas cas cas cas cas cas cas			43.8U 3.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U	3.4 UN 205 EN 9 305 EN 9 6.7 B 830 0.38 B 366 0.79 B 14 2.5 B	65 515 65.04 730 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33,78
CRGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) TERLUM TER			1.2U 2.1U 3.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1.U 0.9U 2.1U 0.9U	3.4 UN 20121 EN 305 EN 4 305 EN 4 305 EN 4 306 0.79 B 14 2.6 B 200 0.79 B 200 0.79 B	65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4
S ORGANICS - DISS, METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) THE METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) THE METALS (SW846 6009/7000); THE METALS (SW8	all except Hg	all except Hg	1.2U 2.1U 3.8U 3.6U 1.6U 7.3U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U	3.4 UN 205 EN 9 305 EN 9 6.7 B 830 0.38 B 366 0.79 B 14 2.5 B	65 515 65.04 750 88 360 20,500 NA 8050 1.79 984 32 93 9.22 33.78 2.4 789 01
CRGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) TERLUM TER	all except Hg	all except Hg	1.2U 2.1U 2.1U 3.8U 3.8U 1.8U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U	3.4 UN	55 515 65,04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33,78 2.4 789.01 20
S ORGANICS - DISS, METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) THUM	all except Hg	all except Hg	1.2U 2.1U 3.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 2.1U	3.4 UN 20121 EN 305 EN 4 305 EN 4 305 EN 4 306 0.79 B 14 2.6 B 200 0.79 B 200 0.79 B	55 515 65.04 750 88 360 20,500 NA 8050 1.79 984 32 95 9.22 33.78 2.4 785 01 20 0.92
SORGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) TITUM TITUM CR TITUM	all except Hg	all except Hg	1.2U 2.1U 3.8U 3.8U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.90 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	3.4 UN ***CHARLES # 272 LEN** 6.7 B 830 0.38 B 366 0.79 B 14 2.6 B ***CHARLES # 200 LEN** 7.2 B 0.60 UN	65 515 65,04 730 88 360 20,500 NA 8050 1.79 984.32 95 9.22 133.78 2.4 789.01 20 0.92 65
S ORGANICS - DISS, METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) TOTAL METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) TOTAL METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) TOTAL METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) TOTAL METALS (SW846 6009/7000); TOTAL METALS (SW846 6009/70	all except Hg	all except Hg	1.2U 2.1U 3.8U 3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 2.1U	3.4 UN	55 515 65.04 750 88 360 20,500 NA 8050 1.79 984 32 95 9.22 33.78 2.4 785 01 20 0.92
S ORGANICS - DISS, METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) TOTAL METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) TOTAL METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) TOTAL METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) TOTAL METALS (SW846 6009/7000); TOTAL METALS (SW846 6009/70	all except Hg	all except Hg	1.2U 2.1U 3.8U 3.6U 1.8U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 6.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	3.4 UN 305 EN 305 EN 305 EN 307 EN 308 EN 309 EN 30	55 515 65.04 750 88 360 20,500 NA 8050 1.79 984 32 95 9.22 33.78 2.4 785 01 20 0.92 65 515
CRGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (28 days Hg) TERLIM TERLIM CRITICAL TERLIM TERLIM CRITICAL TERLIM T	all except Hg	all except Hg	1.2U 2.1U 3.8U 3.6U 1.8U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 6.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	3.4 UN 305 EN 305 EN 305 EN 307 EN 308 EN 309 EN 30	55 515 65.04 750 88 360 20,500 NA 8050 1.79 984 32 95 9.22 33.78 2.4 789 01 20 0.92 65 515 65.04
CORGANICS - DISS, METALS (SW846 6000/1000); Ming time: 6 mo. (28 days Hg) Thum The many Cat Thum	all except Hg	05/31/95	1.2U 2.1U 2.1U 3.8U 3.6U 1.8U 7.9U 0.20U 34.9U 0.30U 1.U 2.1U 0.30U 2.1U 0.20U 3.8U 2.1U 0.20U 3.4U 2.1U 0.20U	3.4 UN 305 EN 305 EN 305 EN 307 EN 308 EN 309 EN 30	55 515 65.04 730 88 360 20,500 NA 8050 1.79 984.32 95 9.22 31.78 2.4 789.01 20 0.92 65 515 65.04
S ORGANICS - DISS, METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) THE METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) THE METALS (SW846 6009/7000); Ming time: 6 mo. (28 days Hg) THE METALS (SW846 6009/7000); THE METALS (SW8	all except Hg	05/31/95 05/31/95	1.2U 2.1U 2.1U 3.8U 3.6U 1.8U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.60U	3.4 UN	55 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04
S ORGANICS - DISS, METALS (SW846 6000/1000); Ming time: 6 mo. (28 days Hg) TERM TOTAL T	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95 05/12/95	1.2U 2.1U 2.1U 3.8U 3.8U 1.6U 7.9U 0.30U 1U 2.1U 0.90 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	3.4 UN	65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04
CRGANICS - DISS, METALS (SW846 6000/1000); Ming time: 6 mo. (18 days Hg) THE METALS (SW846 6000/1000); Ming time: 6 mo. (18 days Hg) THE METALS (SW846 6000/1000); Ming time: 6 mo. (18 days Hg) THE METALS (SW846 6000/1000); Ming time: 6 mo. (18 days Hg) THE METALS (SW846 6000/1000); Ming time: 6 mo. (18 days Hg) THE METALS (SW846 6000/1000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW846 6000); THE METALS (SW84	all except Hg	05/31/95 05/31/95 05/32/95 05/12/95 05/12/95	1.2U 2.1U 2.1U 3.8U 3.6U 1.8U 7.9U 0.20U 3.49U 0.30U 1.U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	3.4 UN	55 515 65,04 750 88 360 20,500 NA 8050 1,79 984,32 95 9,22 33,78 20 0,92 65 515 65,04 86,000 NA
ORGANICS - DISS, METALS (SW846 6000/1009); Wing lime: 6 mo. (28 days Hg)	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95 05/12/95	1.2U 2.1U 2.1U 3.8U 3.8U 1.6U 7.9U 0.30U 1U 2.1U 0.90 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	3.4 UN	65 515 65.04 730 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04
CORGANICS - DISS, METALS (SW846 6000/1000); Wing time: 6 mo. (18 days Hg) THE MARKET OF THE METALS (SW846 6000/1000); Wing time: 6 mo. (18 days Hg) THE MARKET OF THE METALS (SW846 6000/1000); Wing time: 6 mo. (18 days Hg) THE MARKET OF THE METALS (SW846 6000/1000); Wing time: 6 mo. (18 days Hg) THE MARKET OF THE METALS (SW846 6000/1000); WING THE METALS (SW846 6000/1000); WING THE MARKET OF THE METALS (SW846 6000); WING THE MARKET OF THE METALS (SW846 6000); WING THE MARKET OF THE METALS (SW846 6000); WING THE MARKET OF THE METALS (SW846 6000); WING THE MARKET OF THE METALS (SW846 6000); WING THE MARKET OF THE METALS (SW846 6000); WING THE MARKET OF THE METALS (SW846 6000); WING THE MARKET OF THE METALS (SW846 600); WING THE MARKET OF THE METALS (SW846 600); WING THE	all except Hg	05/31/95 05/31/95 05/32/95 05/12/95 05/12/95	1.2U 2.1U 2.1U 3.8U 3.6U 1.8U 7.9U 0.20U 3.49U 0.30U 1.U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	3.4 UN	55 515 65,04 750 88 360 20,500 NA 8050 1.79 984,32 95 9,22 33,78 20 0,92 65 515 65,04
ORGANICS - DISS, METALS (SW846 6009/1009); Ming time: 6 mo. (18 days Hg)	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95 05/12/95 05/12/95	1.2U 2.1U 2.1U 3.8U 3.6U 1.8U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.90 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.60U 3.4U 1.2U 1.2U 0.00U 3.00U 1.00 0.00 0	3.4 UN	55 515 515 65.04 750 88 360 20,500 NA 8050 1.79 984 32 95 9.22 33.78 2.4 785 01 20 0.92 65 515 65.04
ORGANICS - DISS, METALS (S W846 6000/1000); Wing time: 6 mo. (28 days Hg) The mony Continue The mony Continue	all except Hg	05/31/95 05/31/95 05/32/95 05/12/95 05/12/95	1.2U 2.1U 2.1U 3.8U 3.6U 1.8U 7.9U 0.20U 3.49U 0.30U 1.U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	3.4 UN	55 515 515 65.04 750 88 360 20,500 NA 8050 1.79 984 32 95 9.22 33.78 2.4 785 01 20 0.92 65 515 65.04 86,000 NA 86,000 NA
CRGANICS - DISS, METALS (SW846 6009/1009); Ming time: 6 mo. (28 days Hg) The manual management of the management of th	all except Hg	05/31/95 05/31/95 05/12/95 05/12/95 05/12/95 05/12/95	1.2U 2.1U 2.1U 3.8U 3.8U 1.8U 7.9U 0.20U 34.9U 0.30U 1.U 2.1U 0.50U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.60U 3.4U 1.2U 1.2U 1.2U 1.2U 1.2U 1.2U 1.2U 1.2	3.4 UN	65 515 65.04 750 88 360 20,500 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.992 65 515 65.04

nple ID: CRC-2-95-C-0.0 b ID: CRC2C0 striate Prep. Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit vr/L	Result ue/L	Acute Water Quality Criteria ue/L
LATILE ORGANICS (SW846 8240):					
ding time: 14 days		5/8/95	10U	71	446,000
tone			100U		455
olein Vonitrile			100U		640
17¢D¢			100		NA 1823
modichloromethane			100	 	NA
morpethane			100		161,000
utanone (MEK)			100		2780 17,500
bon Tetrachloride hloroethylvinylether			16U 10U		1180
огорендене			10U		NA 1945
oroethane			100		
oronichane		Ļ <u> </u>	100		10,825
-Dichloropropane			10U		NA 15,440
Dichloroethane Dichloroethane		F	10U		7460
Dichloroethene		 	100		6750
romochloromethane -trans Dichloroethylene			100		305
2-Dichloroethene		 	100		305
1.2-Dichloroethene 1.3-Dichloropropene		 	10U		2900 21,400
1,3-Dichloropropene			100	ļ	26,000
ylbenzene		+	100		11,840
lethyl-2-Pentanone (MIBK)			100	9 JB	NA 693
thylene Chlondo rene			100	 	1040
rachloroethyleno			100		NA 1040
1.2-Tetrachloroethane 2.2-Tetrachloroethane			100	 	1650
DETRO			100		3025
1-Inchloroethane			100		3390 2250
2-Inchloroethane chloroethene (ICE)			100	+	NA
ryl Chloride		 -	180		1055
lenes (Total)				 _	
MIYOLATILE ORGANICS (SW846 8270):		05/20/95		I	
lding time: 7 days to extract, 40 days to analyze	05/10/95	05/20/95	100	2 J	30,000
mo			100		30,000
(2-chloroethyl)ether Thorophenol		T	100	 	345
-Dichlorobenzene		+	100		730 820
-Dichlorobenzene -Dichlorobenzene			100	- 	NA NA
viethvinhenol			100	 	4,345
(2-chlorosopropyl)ether		1	100	4.1	NA NA
Methylphenol Muroso-di-n-propylamine			10U	 	60
cachloroethane			100		4,040
trobenzene			100	11	10,400 8,000
ophorone Natrophenol			100	2 1	660
- Dimethylphenol			100		1,685
-Dichlorophenol 24-Inchlorobenzene			100		133
phthalene			100		NA.
Chloroaniline			10U	T	NA
exachlorobutadiene			100		155
x2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			100		1
exachlorocyclopenudiene 4,6-Tnchlorophenol			100		100
43-Trichlorophenol			100		NA.
Chloronaphthalene			100		2,475 NA
methyl phthalate cenaphthylene			100	+	990
6-Dimitrotoluene		+	100		85
ecnsphthene 4-Dinitrophenol			50U 50U		2,335
Nitrophenol			100		1.590
4.Dinitrotolpene			100		4,000 NA
ethylphthalato Chlorophenyl-phenylether			100		NA
norene			300		NA 295
6-Diretro-2-methylphenol			100		270
Nitrosodiphenylamine Bromophenyl-phenylether			10U		NA.
exachlorobenzene			300		e (1.005(pH)-4,8
miachlorophenol nenanthrene			100		NA.
nthracene			160		103
n-n-butyl phthalato			100		200 NA
uoranthene yrene			100		140
utvibenzyl phthalate			20U		NA NA
3'-Dichlorobenzadine			10		0.3 NA
enzo(a)anthracene Invaene			100		NA.
- 2 Ethylheryl mhthalate			10U		100
h.n-octyl phthalate enzo(b)fluoranthene enzo(k)fluoranthene			100		NA NA
enzo(p)uvoranthene			100	+	NA.
enzo(a)nyrene (BaP)			100		NA NA
ndeno(1,2,3-cd)pyreno Nbenz(a,h)anthracene			100		NA .
Senzo(gha)perylene		_	100		17,100
N-mirosodimethylamine			100U		295
			1000	1 .	
Benzidine 1,2-Diphenyl-n-hydrazine			100		NA.

Sample ID: CRC-2-95-C-0.0 Lab ID: CRC2C0 Elutriste Prep. Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ng/L	Result up/L	Acute Water Quality Criteria ue/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270); Holding time: 7 days to extract, 40 days to analyze	05/09/95	05/21/95			
Phenol pis(2-chloroethyl)ether			100	F	30,000
2-Chlorephenol			10U		560
1,4-Dicklorobenzene		 	100	 	345 730
2-Dic-Torobenzene			100		820
?-Methytphenol pis(2-ch-oroisopropyt)ciher			100	 	NA 4,545
1-Methylphenol			100		NA.
N-Nitroso-di-n-propylamine			100		NA 60
fexachioroethane Strobe:zene		 	100	 	4,040
sophorone			100	7.1	10,400 8,000
2-Nitrephenol 2,4-Dimethylphenol	_ 	 	100	9,	660
2.4-Dischorophenol			100		1,685
,2,4-Inchlorobenzene			100		130
Vaphthalene I-Chloroandine		 	100		NA.
Hexach orobutadiene			100		JO NA
vis(2-Chloroethoxy)methano 1-Chloro-3-methylphenol (p-chloro-m-cresol)		 	100		133
lexact orocyclopentadiene			100		3
,4,6-Trichlorophenol		 	10U 50U		100
1,4.5-Tnchlorophenol Chloronaphthalene			100		NA NA
Chloromaphthalene Dimethyl phthalate Acenaphthylene			100		2,475 NA
Acensphthylene 2,6-Dimtroioluene		 	100		990
Acensolithene			100		83
,4-Duratrophenol		 	30U		655 2,335
- Nitrophenol 4-Dimitrotoluene			100		1,590
Diethylphthalate			100		4,000
-Chlorophenyl-phenylether Tuorene	_	 	100		NA NA
.6-Diretro-2-methylphenol			50U		NA.
V-Nitrosodiphenylamane		ļ	100	ļ	295 270
l-Bromephenyl-phenylether			100		NA.
entach orophenol			300		e (1.003(pH)-4,830)
henanthrene		 	100		NA NA
Anthracene A-n-butyl phthalate			100		105
luoranthene			10U		200 NA
yrene Junio mand abshalate		 	100		140
urylbenzyl phthalate 3'-Dichlorobenzi dine			20U		NA
Senzo(a)anthracene			10		0.3 NA
hrysene hs(2-Ethylhexyl)phthalate			100		NA
h-n-octvi phthalate			100		100 NA
enzo(z)lluoranthene Benzo(z)lluoranthene		 	100		NA .
Senzo'a)pyrene (BaP)			100		NA.
elenco a pyrene (BaP) ndeno 1,2 3-cd pyrene bbenz a hjanturacene senzo i n.h. pervlene I-nitrosodimethylamane		 	10U 10U		NA NA
lenzo(s h.s)perylene			10U		NA
-nitrosodimethylamane			100U 100U		17,100 295
Penzidine ,2-Diphenyl-n-hydrazine		<u> </u>	100U		13
enzyl Alcohol			10U		NA_
ESTICIDES/PCBS (SW846 8080) [olding time: 7 days to extract, 40 days to analyze	05/09/95	05/14/95			
lpha-BHC			0.05U 0.05U		NA NA
eta-BHC elta-BHC			0.030		NA NA
armna-BHC (Lindane)			0.05U		1
eptachlor			0.03U 0.03U		0.26
Idrin eptachlor Epoxide	+		0.03U		0.5
ndoscilan l			0.03U		0.11
reldna A'-DDE		 	0.10U 0.10U	0.12	1.25 0.35
ndrin			0.09U		0.09
ndostiian II			0.100		0.11
4'-DDD (p.p'-TDE) ndosulian Sulfate			0.10U		0.11
4-DOT			0.10U ·		0.33
lethoxychlor ndan Ketone		 	0.50U 0.10U		NA NA
ndrin Aldehyde			0.100		NA.
pha-Chlordane			0.05U 0.05U		1.2
umma-Chlordane urex			0.10U		NA.
oxaphene			1,00U 0,50U		0.37
roclor-1016 roclor-1221			0.50U		2
roclor-1232			0.50U		2
roclor-1242			0.50U 0.50U		2
roclor-1248 roclor-1254			0.50U		2
roclor-1260			0.50U		
ICCOLUMN PROTECTION OF THE COLUMN					
ISSOLVED PESTICIDES/PCBS (SW846 8080)	05/09/95	05/24/95		·	
olding time: 7 days to extract, 40 days to analyze			0.05U		NA NA
pha-BHC			0.050		NA.
pha-BHC					NA.
olding time: 7 days to extract, 40 days to analyze pha-BHC ta-BHC Ta-BHC Turna-BHC Turna-BHC (Lindane)			0.05U 0.05U		NA NA
pha-BHC ts-BHC tus-BHC tus-BHC tus-BHC (Lindane) eptachfor			0.05U 0.05U 0.05U		0.26
pha-BHC :us-BHC :us-BHC :umma-BHC (Lindane) :ptachfor idnn			0.05U 0.05U		0.26 1.5 0.5
pha-BHC ts-BHC tus-BHC tus-BHC tus-BHC (Lindane) eptachfor			0.05U 0.05U 0.05U 0.05U		0.26 1.5

ample ID: CRC-2-95-C-0.0 ab ID: CRC2C0 llutriate Prep. Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result	Acute Water Qua Criteria us/L
3-00-2	Date Extracted	Date Allartaco	0.100	1	0,55
ndrin			0.09U 0.10U		0.09
ndos::fan II	 	 	0.100	 	0.55
4'-DDD (p.p'-TDE) ndos::Ian Sulfate	 		0.100	 	0.11
4-DOT			0.10U		0.55
ethoxychlor			0.50U 0.10U	 	NA NA
ndry: Ketone	 		0.100	 	NA NA
ndr.:: Aldehyde pha-Chlordane	 		0.05 U	 	1.2
pins-Chlordane			0.0513		1.2
irex			0.10U 1.00U	ļ	0.37
oxaphene	 		0300	 	2
rocler-1016 rocler-1221	 		0.50U		2
rocior-1232	<u> </u>		0.50U		2
roclor-1242			0.50U	ļ	
roclor-1248		ļ	0.50U 0.50U	 	
roclor-1254 roclor-1260	 		0.300	 	<u></u>
100,05-1240					
RGANOPHOSPHORUS COMPOUNDS (SW846 8140); olding time: 7 days to extract, 40 days to analyze	05/09/95	05/20/95			
unition			1.00		0.065
lorpatios .			1.0U		0.083
ISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140)				 	
olding time: 7 days to extract, 40 days to analyze	05/09/95	05/21/95		 	
monus		 	1.00	 	0,065
lorpymfos	 	 -	1.00		V.V.J
COROL CITT DEBADES (CROSS Marie 4 6010)	 	 		T	
COHOLS/ALDEHYDES (SW846 Modified 8015):	I	NEITZ INE	i		
olding time: None		05/15/95	400000	 	A100
nnaldehydo	 	 	5000U 5000U	 	2180 227,750
Propanol	+		30000		443,165
10,000					
SS. ALCOHOLS/ALDERYDES (SW846 Modified 8015):					
olding time: None	<u> </u>	05/17/95		<u> </u>	
rmaldshyde			30000		2180 227,750
Propanol	 		5000U 5000U	 	443,165
Povecor	 	·	3,000	 	
ORGANICS - TOTAL METALS (SW846 6000/7000);	05/17/95	05/19/95			
	all except Hg	all except Hg		l i	
olding time: 6 mo. (28 days Hg)	all except rig	all except ux	43.8U	103,000	750
um num	 		3.60	7.4 BN	88
senic			1.60	68.3 N	360
num			7.90	1920	20,500
nylinum			0.20U 34.9U	5.7 68.6 B	NA 8050
rien	 		0.300	29.7	1.79
drainn rossum III	 	ļ	10	948	984.32
bal:			2.10	sacratua 115 m m	95
pper			0.9U	5588 pt 1 866 pt.	9.22
ad	0674/06	05/21/05	2.1U 0.20U	1100 • 3.7 •	33.78 2.4
retry	05/24/95	05/31/95	3.8U	214	789.01
en um	 		2.10	14.2 N	20
ver encoun			0.600	210 N	0.92
alirem			3.40	6.2 B	65
nadi wn	 	<u>-</u>	1.2U 2.1U	329 4970 N*	515 65.04
nc	 		<u>10</u>	AY/UENT	03.04
DDC (NDCC NDCC NDCC NDCCC COORDO)	05/17/95	05/25/95			
ORGANICS - DISS. METALS (SW816 6000/7000);					
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	8280 EN*	750
umony	 		3.60		88
erac			1.60	10.2	360
ועת			7.90	574	20,500 NA
vii an	ļ		0.20U 34.9U	311	8050
ron Irra um	 		0.30U	25 B	1.79
om III			10	113	984.32
palt			2.10	11.3 B	95
rpcī			0.9U 2.IU	119 N	9.22 33.78
id	05/24/95	05/31/95_	0.20U	7.7	2.4
remy kel			3.8U	22.0 B	789.01
en wa			2.10	3.4 B	20
/a			0.60U 3.4U	37/2 N	0.92 63
llium	 		1.20	67.8	515
nacum c			2.10	320 EN*	65.04
ORGANICS - OTHER (Results in mg/L):]			j I	
onde		05/22/95	וט	18	86,000
romann VI		05/09/95, 05/10/9	0.010		NA 22
ride .	[05/11/95	0.01U 0.1U	 	19
al Kesdual Chlorine al Suspended Solids	<u> </u>	05/12/95 05/12/95	10	5440	NÁ
S. INORGANICS - OTHER (Results in me/L);		ocmene.		.,	94.000
	i i	05/22/95	0.010	18	86,000 NA
loride					
ortun V		15/11/95, 05/22/9	0.010		22
Noride Trostum VI -2013e Ul Residual Chlorine		05/10/95, 05/10/9 05/11/95, 05/22/9 05/10/95, 05/10/9 05/12/95	0.01U 0.1U		

Definitions:

NA - Not Available

10g/L - micrograms per Liter, parts per billion

10g/L - milligrams per Liter, parts per million

10g/L - thilligrams per Liter, parts per million

10g/L - thilligrams per Liter, parts per million

10g/L - thilligrams per Liter, parts per million

10g/L - thilligrams per Liter, parts per million

10g/L - thilligrams per Liter, parts per million

10g/L - Detected in laboratory blank (organics). Reported value less than Contract Required DL

10g/L - thilligrams per literature DL (inorganics).

10g/L - Detection limit

10g/L - Detection limit

10g/L - thilligrams per Liter, parts per million

10g/L - Detection limit

10g/L - thilligrams per Liter, parts per million

10g/L - thilligrams per Liter, parts per million

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per Liter, parts per billion

10g/L - thilligrams per billion

10g/L - thilligrams per Liter, parts per billion

10g/L -

Column	ample ID: CRC-2-95-C-4.5 ab ID: CRC2C4 lutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Qual Criteria ug/L
Section Sect	OLATILE ORGANICS (SW846 8240);	- Indie Datracted	Date Allastate			
Section	olding time: 14 days		5/8/95			11/200
Property Property				100	18	446,000
Institute Inst	crylonitrile			100U		645
190	enzene		·			
	romolom			10U		1825
April Apri	romomethane					NA ISL 000
Colorable Colo	Butanone (MEK) arbon Tetrachloride			100		2780
All All	Chloroethylvanylether					17,300
					 	
27th cheropeans	Moroform					
Textimeschans						NA 10.825
2- Entherschans	I-Dichloroethane					
	2-Dichloroethane					15,440
Trans Dichorestyriene	1-Dichloroethene					6750
2. Decknown process 10 U 365 360	2-trans Dichloroethylene			100		
100 3.000	-1,2-Dichloroethene					
Order	ans-1,3-Dichloropropene			100		2900
Mily Mily	hylbenzene			IOU		21,400
cathylane Chinnels	Hexanone Methyl-2-Pentanone (MIRK)					11.840
100	ethylene Chlondo			100	6 ЛВ	NA.
11,2 1 cm c	yrene		ļ			
1,27 for ablorechane	1,1,2-Tetrachloroethane			100		NA.
1.1. Trainformethate	1,2,2-Tetrachloroethane					1040
100 1.1. 1	La Inchiomethane		<u> </u>			3025
100 1.1. 1	1,2-Inchloroethane			100		3390
New New	nchloroethene (TCE)					
New Note	nyl Chlonde					
Odding time: 7 days to extract, 40 days to enalyze						
17. chloroschi/jtcher	olding time: 7 days to extract, 40 days to analyze	05/10/95	05/20/95	180		
Colorophenol 10U 360 344 345 3						
Dicklorobenzene DOU				10U		560
2. Dichoverstene						
Methylphenel 100	- Dichlorobenzene					820
Methylphenol	Methylphenol					
Nurses d. n-propylamne	(2-chlorosopropyi)ether					
Caschlorocylane 100	Nitroso-di-n-propylamine			10U		NA.
10U	exachloroethane					
Distribution				100	11	10,400
1.685 1.68	Nitrophenol					
2.4-Tinklorobenzene	-Dichlorophenol			10U		1,685
Olivary Oliv	2,4-Trichlorobenzene					130
DOU	phthalene Diomoniline					
10U 155	zachlorobutadiene			100		
100 3 5 5 5 5 5 5 5 5 5	(2-Chloroethoxy)methane					
1,5-Tinchrorphenol 10U 3 100	xachlorocyclopentadiene			100		
Olivership Oli	.6-Trichlorophenol					
Interthylyholdate	3-Trichlorophenol					
International Content Inte				10U		2,475
100	enaphthylene					
Distripped SOU C335	enaphthene					85
District District	-Dinitrophenol			50U		655
10U 4,000 10U NA 10U 10U NA 10U 10						
NA NA NA NA NA NA NA NA	- Dimerotoluene					4.000
100	hlorophenyl-phenylether			100		NA
100 293 100	orene					
100 270 100	Nitrosodiphenylamine			100		295
SOU c (1.005(pH) 4.8:	romophenyl-phenylether					
Description Description						e (1.005(pH)-4,830
100 105	enanthrene			100		3
100 200	thracene					
10U NA NA NA NA NA NA NA N	oranthene			10U		200
Dichlorobenzidine 20U	ene					
10						
100	tylbenzyl phthalate		+			0.5
n-ocryf phthalate	rylbenzyi phthalate -Dichlorobenzidine					
100 NA 100 NA	ryibenzyi phthalate -Dichlorobenzidine nzo(a)anthracene nzene			100		
100 NA 120(1) 100 NA 100(1) 100 NA 100(1,23-cd) pyrene (BaP) 100 NA 100(1,23-cd) pyrene 100 NA 100(1,23-cd) pyrene 100 NA 100(1,23-cd) pyrene 100 NA 100(1,23-cd) pyrene 100 NA 100(1,23-cd) pyrene 100 NA 100(1,23-cd) pyrene 100 100(1,23-cd) pyrene	ryibenzyi phthalate -Dichlorobenzidine nzo(a)anthracene nzene			IOU	2.7	NA
100 NA 100 NA	pylbenzyl phthalate -Dirkhorobenzidine uzo(a buthracene rysene (2-Ethylhesyl)phthalate n-ocryl phthalate uzo(b)lluoranthene			10U 10U 10U	2 J	NA 100 NA
NA NA NA NA NA NA NA NA	ylbenzyl phthalate -Dichlorobenzidine nzo(a)mhracene sysche (2-Ethylhenyl)phthalate n-octyl phthalate nzo(b)lluoranthene nzo(b)lluoranthene			10U 10U 10U	2 3	NA 100 NA NA
100 NA	pylbenzyl phthalate Dicklorobenzidine nze(a bulturacene yacne (2-2-thylhezyl phthalate n-ocyty phthalate nze(b)luoranthene nze(k)luoranthene nze(k)luoranthene			000 100 100 100 100	23	NA 100 NA NA NA
10011 295	pylbenzyl phthalate -Dirkhorobenzidine nzo(a)mhracene rysene (2-Ethylhezyl)phthalate n-ocryl phthalate nzo(b)lluoranthene nzo(b)lluoranthene nzo(b)lluoranthene nzo(b)lluoranthene nzo(b)lluoranthene nzo(b)lluoranthene			10U 10U 10U 10U 10U 10U 10U	2.1	NA 100 NA NA NA NA NA
Diphenyl-n-hydrazine 1800 15	pylbenzyl phthalate -Dirkhorobenzidine nzo(a junituracene nzo(a junituracene nzo(a junituracene nzo(x) junituracene nzo(x) junituracene nzo(x) junituranthene nzo(x) junituranthene nzo(x) junituracene nzo(x) junituracene nzo(x) junituracene nzo(x) junituracene nzo(x) junituracene nzo(x) junituracene nzo(x) junituracene nzo(x) junituracene nzo(x) junituracene			10U 10U 10U 10U 10U 10U 10U	2 J	NA 100 NA NA NA NA NA
	ylbenzyl phthalate -Direllorobenzidine 120(a)anthracene 120(a)anthracene 120(a)anthracene 120(b)lloranthene 120(b)lloranthene 120(b)lloranthene 120(b)lloranthene 120(a)pyrene (BaP) 120(a)anthracene 120(a)anthracene 120(a)anthracene 120(a)anthracene 120(a)anthracene 120(a)anthracene 120(a)anthracene 120(a)anthracene 120(a)anthracene 120(a)anthracene 120(a)anthracene			10U 10U 10U 10U 10U 10U 10U 10U 10U	2 1	NA 100 NA NA NA NA NA NA NA 17,100

Sample ID: CRC-2-95-C-4.5 Lab ID: CRC2C4 Elutriste Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug∕L	Acute Water Quality Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/09/95	05/21/95			
Phenol bis(2-thioroethyl)ether			100		100 30,000
2-Chlorophenol			100		560
1,3-Dichlorobenzene		 	100		345 730
1,2-Dichiorobenzene			10U		820 NA
2-Methylphenol bis(2-chloroisopropyl)ether			100		4,545
4-Methylphenol N-Nitroso-di-n-propylamine			100		NA NA
Hexachloroethane			100		60 4,040
Nurobergene Isophorone			100	7.7	10,400
2-Nitrophenol 2,4-Dimethylphenol		 	100	11	8,000 660
2,4-Dicklorophenol			100		1,685
1,2,4-Tnchlorobenzene Naphthalene			100		135
4-Chloroaniline Hexachlorobutadiene		ļ	100		NA 10
bis(2-Chloroethoxy)methane			10U		NA 155
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene	 		100		5
2.4.6-Inchlorophenol	 		10U 30U		100
2,4,5-Inchlorophenol 2-Olloromphthalene			100		NA
Dimethyl phthalate Acenaphthylene			10U 10U		2,475 NA
2,6-Dantrotoluene Acenaphthene			100		990 85
2,4-Diretrophenol			30U		655
4-Nitrophenol 2,4-Duptrotoluene	1		300		2,335 1,590
Diethylphthalate 4-Ohorophenyl-phenylether			10U		4,000 NA
Fluorene	1		100		NA
4,6-Dinjuro-2-methylphenol N-Nitrosodiphenylamane			30U 10U		NA 295
4-Bromephenyl-phenylether			100		270 NA
Hexachlorobenzene Pentachlorophenol	- 		30U		e (1.005(pH)-4,830)
Phenanthrene Anthracene			10U 10U		NA NA
Di-n-butvl phthalate			100		105 200
Fluoranthene Pyrene	1		10U		NA
Burylbenzyl phthalate 3.3'-Dichlorobenzidine			10U 20U		140 NA
Benzo(a)anthracene	ļ		10		0.3 NA
Chrysene Bis(2-Ethylhexyl)phthalate Di-n-octyl phthalate			100	12	NA .
Di-n-octyl phthalate Benzo(b)fluoranthene			100		100 NA
Benzo(rifluoranthene			10U		NA NA
Benzola pyrene (Bar) Indeno (1,2,3-ed) pyrene Dibenz (ah) anthracene			10U		NA
Dibenz(ah)anthracene Benzo(ah)perylene			100		NA NA
N-nitrosodimethylamine			1000		17,100
Benzidine 1,2-Diphenyl-n-hydrazine			1000		15
Benzyl Alcohol			UOU		NA 80
PESTICIDES/PCBS (SW846 8080)				· <u></u>	
Holding time: 7 days to extract, 40 days to analyze	05/09/95	05/14/95			NA NA
beta-BHC			0.05U		NA
delta-BHC gamma-BHC (Lindane)			0.03U 0.03U		NA I
gamma-BHC (Lindane) Heptachlor Aldrin			0.03U 0.03U		0.26 1.5
Heptachlor Epoxide			0.05U		0.5
Endosulfan I Dieldrin	+		0.05U 0.10U		0.11 1.25
4 4'-DDE Endan	1		0.10U 0.09U		0.55 0.09
Endonultan II			0.10U		0.11
4.4-DDD (p.p-TDE) Endossultan Sulfate			0.10U 0.10U		0.55 0.11
4,4'-DDT	-		0.10U 0.50U		0.33 NA
Methoxychlor Endrin Ketone			0.10U		NA
		1	0.10U 0.05U		NA 1.2
Endrin Aldehyde	-		0.050 1		
alpha-Chlordane			0.05U		1.2 NA
alpha-Chordane pamma-Chlordane Murex Toxashine			0.05U 0.10U 1.00U		NA 0.37
upha Olordane pamma-Olordane Murex Toxaphene Aroctor-1016			0.05U 0.10U 1.00U 0.50U 0.50U		NA 0.37 2 2
Upha Clordane			0.05U 0.10U 1.00U 0.50U 0.50U 0.50U		NA 0.37 2 2 2
			0.05U 0.10U 1.00U 0.30U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2
alpha-Clordane			0.05U 0.10U 1.00U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2
Upha Clordane			0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2 2
alpha-Clordane	05/09/95	05/24/95	0.65U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		NA 037 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
lipha-Clordane parmus-Chlordane Murex Toxsphene Arcelor-1216 Arcelor-1213 Arcelor-1232 Arcelor-1242 Arcelor-1248 Arcelor-1248 Arcelor-1250 DISSOLVED PESTICIDES/PCBS (SW846 8080) Bolding time: 7 days to extract, 40 days to analyze alpha-BHC	05/09/95	05/24/95	0.65U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
uphs Clordane parma-Clordane Murex Toxishene Arcelor-1016 Arcelor-1211 Arcelor-1222 Arcelor-1242 Arcelor-1248 Arcelor-1248 Arcelor-1260 DISSOLVED PESTICIDES/PCBS (SW846 8080) Bolding time: 7 days to extract, 40 days to analyze alpha-BHC Deta-BHC Deta-BHC Deta-BHC	05/09/95	05/24/95	0.65U 6.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 4 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7
Upha-Clordane farmus-Chlordane Murex Toxishene Arcolor-1016 Arcolor-1211 Arcolor-1221 Arcolor-1242 Arcolor-1242 Arcolor-1248 Arcolor-1244 Arcolor-1240 DISSOLVED PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze alpha-BHC	05/09/95	05/24/95	0.05U 0.10U 1.00U 0.50U		NA 037 2 2 2 2 2 2 2 2 2 2 2 3 3 4 NA NA NA NA
Upha-Clordane Mirex Toxashene Arcelor-1016 Arcelor-1211 Arcelor-1222 Arcelor-1242 Arcelor-1248 Arcelor-1248 Arcelor-1260 DISSOLVED PESTICIDES/PCBS (SW846 8080) Bolding time: 7 days to extract, 40 days to analyze alpha-BHC Geta-BHC Geta-BHC Geta-BHC Geta-BHC Heptachlor Aldrin	05/09/95	05/24/95	0.65U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 3 3 1 1
upha-Clordane ramma-Chlordane Mirex Toxashene Arcelor-1016 Arcelor-1232 Arcelor-1232 Arcelor-1242 Arcelor-1248 Arcelor-1248 Arcelor-1248 Arcelor-1248 Arcelor-1248 Arcelor-1250 DISSOLVED PESTICTDES/PCBS (SW846 8080) Bloding time: 7 days to extract, 40 days to analyze upha-BHC beta-BHC delta-BHC delta-BHC gamma-BHC (Lindane) Heptaschlor	05/09/95	05/24/95	0.65U 0.10U 1.00U 0.50U		NA 0.37 2 2 2 2 2 2 2 2 2 2 3 NA NA NA NA 1 0.26

mple ID: CRC-2-95-C-4.5 b ID: CRC2C4 utriate Prep Date: 05/06/95	Date Extracted	Data Apalyzed	Method Detection Limit 110/L	Result pc/L	Acute Water Quality Criteria ug/L 0.55
	Date Extracted 1	Date Whally A	0.100		0.55
-DDE Inn			0.09U		0.09
dosulian II			0.10U 0,10U		0.55
-DDD (p.p-TDE)			0.10U		0.11
losulfan Sulfate			0.10U		0.55 NA
-DDT thoxychlor			0.50U 0.10U		NA
drin Ketone		+	0.100		NA
frin Aldehyde			0.05U		1.2
ha-Chlordane			0.05U		1,2 NA
mma-Chlordane			0.10U		0.37
rex Kaphene			1,00U 0,50U		
x[or-1016			0.300		2
oclor-1221			0,300		2
oclor-1232			0.30U		2
oc)or-1242	 		0.50U		
clor-1248 clor-1254			0,30U		
octor-1259			0.50U		
GANOPHOSPHORUS COMPOUNDS (SW846 8140):	<u> </u>				
iding time: 7 days to extract, 40 days to analyze	05/09/95	05/20/95	TAIL		0.065
athion			1.00	ļ	0.083
lorpynios	L		1.00		
	 				
SS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140)	4	05/21/95		1	l
olding time: 7 days to extract, 40 days to analyze	05/09/95	03/21/93	1.00		0.065
rithion	 	 	1.00		0.083
lorpynios	<u> </u>				
The state of the s			1	1	i
COHOLS/ALDEHYDES (SW846 Modified 8015):	1	05/15/95		<u> </u>	
olding time:		3	5000U		2180
rmaldehyde			3000U		227,750
Propanol	 		3000U		443,165_
Propanol					
SS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):					
S. ALCOHOLS/ALDERT DESIGNATOR MANAGEMENT	1	05/17/95		ļ <u>. </u>	2180
olding time: ormaldehyde			3000U 3000U	 	227,750_
Propanol		<u> </u>	3000U	 	443,165
Propanol		 	3000		
	2611206	05/19/95			
NORGANICS - TOTAL METALS (SW846 6000/7000):	05/17/95	1		1	
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	37,800	750 _
luminum		 	3.60	3.6 UN	88
литолу	 		1,60	16.8 N	360
rsenic	 		7.90	360 N	20,500
របស់ព			0.20U		NA 8050
cryllium			34.90	52.4 B	1.79
oron admium			0.30U	122	984.32
romum III		 	2.10	28.0 B	95
obalt			0.90	65.8	9.22
opper		 	2.10	71.2	33.78
ead	05/24/9534843	05/31/95	0.20U		789.01
(ereury	1		3.80	58.3 3.3 BN	20
elenum			2.1U 0.60U	13 BN	
lver	L		3.40		65
hallium			1.20	103	515
anadium			2.10	386 Nº	65.04
ນາເ		 			
	05/17/95	05/25/95			
NORGANICS - DISS, METALS (SW846 6000/7000):					1
loiding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	731 EN	750
Juminum		+	3.6U		88
литопу	+	 	1.60	T	360
racinic	+		7.90	213	20,500
anum	 		0.20U		NA 8050
eryllium oron			34.9U	292	1.79
admum			0.30U	 	984.32
rromaum III		 	2.10	 	93
Ceralt		 	0.90	39.8 N	9.22
еррег	 		2.10	2.1 UN	33.78
ead	05/24/95	05/31/95	0.20U	0.3	789.01
dercury Sickel			3.80	 	20
elemum		 	2.1U 0.60U	0.60 UN	0.92
dver de la companya d		 	3.40		- 63
hallium		 	1.20	3.8 B	313
/anadium		1	2.1Ŭ	247 EN	65.04
inc			 	 	+
NOTICE AND COTTOED (Parelly to mo//)-				1	86,000
NORGANICS - OTHER (Results in mg/L);	1	05/22/95	10	20	86,000 NA
Thloride		05/09/95, 05/10/9	0.010		1 - NA
promium V		1 05/11/95	1 0.010	 	19
		05/09/95, 05/10/9	/ 	1160	NA_
yanide otal Residual Chlorine					T
yanide otal Residual Chlorine	#===	- V3-1-1-	,		
yanide otal Residual Chlorine otal Suspended Solids			 	 	
_yande oul Residual Chlorine oul Residual Chlorine oul Suspended Solids JISS_INORGANICS - OTHER (Results in me/L):		05/72/95	10	20	86,000
yande otal Residual Chlorine fotal Suspended Solids DISS. INORGANICS - OTHER (Results in me/L); Chloride		05/72/95	1U 0.01U	20	NA_
Chromium VI Cyanide Total Residual Chlorine Total Suspended Solids DISS. INORGANICS - OTHER (Results in me/L.): Chloride Cwernum VI Cyalle Civil Residual Chlorine			0.010	20	86,000 NA 22 19

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

* - Duplicate analysis not within control limits

DL - Detection limit

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: CRC-2-95-C-7.4 Lab ID: CRC2C7 Elutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ye/L	Result ug/L	Acute Water Quality Criteria up/L
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days		5/8/95	100	50	446,000
Acro.ca Acrolominie			1000		455 645
Benzene			100		640
Bromodichloromethane Bromoform	 		100	 	NA 1825
IBmmcmethane			10U		NA 161,000
2-Butanone (MEK) Carbon Tetrachloride			100	 	2780
2-Chloroethylyinylether			100		17,500 1180
Chloroethane			100		NA.
Chloroform			100		1945 NA
Chloremethane 1,2-Dichloropropane			100		10,825
1,1-Dichloroethane 1,2-Dichloroethane		 -	100	 	NA 15,440
1.1-Dichloroethene			100		7460 6750
Dibromochloromethane 1.2-trass Dichloroethylene	 		100	 	1000
cis-1.2-Dichloroethene			100		305 305
crs-13-Dichloropropene trans-13-Dichloropropene			100		2900
Ethylomzene			100		21,400 26,000
2-Hexanone 4-Methyl-2-Pentanone (MIBK)	<u></u>		100		11,840
Methylene Chlonde			100	5 JB	NA 693
Styrene Tetrackloroethylene			100		1040
1,1,1,2-Tetrachloroethane			100	 	NA 1040
1,1,22-Tetrachloroethane	<u> </u>		IOU		1630
I,I,I-Inchlorocthane			100		3025 3390
Trichloroethene (TCE)			100		2250
Virvi Culonde Xvienes (Total)	ļ		100	 	NA 1055
SEMIVOLATILE ORGANICS (SW846 8270):	05/10/95			1	
Holding time: 7 days to extract, 40 days to analyze Phenol	CSVIIVS	05/20/95	100	·	100
bis(2-chloroethyl)ether			10U 10U		30,000 560
2-Chiorophenol 1,3-Dichlorobenzene			100		345
1.4-Drchlorobenzene			10U 10U		730 820
1,2-Dichlorobenzene 2-Metrylphenol			100		NA.
bis(2-chloroisopropyl)ether 4-Methylphenol			100	 	4,545 NA
N-Na roso-di-n-propylamine			100		NA 60
Hexachloroethane Nitropenzene			100	 	4,040
Isophorone		05/31/95 renun	20U 20U	120 D 5 JD	10,400 8,000
2-Nitrophenol 2.4-Dimethyl phenol		05/31/95 renun	10U	3 10	660
2.4-Dimethylphenol 2.4-Dichlorophenol 1.2.4-Trichlorobenzene			100		1,685
Naphthalene			100		135
4-Chioroamline Hexachlorobutadiene			100	 -	NA 10
big/2-Ct.lomethoxy)ructhane			100		NA.
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexacalorocyclopentadiene			100		155
2,4,6-Trichlorophenol			100		3 100
2,4.5-Tnchlorophenol 2-Ohloronaphthalene			50U	 	NA
Dimetryl phthalate			100		2,475 NA
Acenaphthylene 2,6-Dmtrotoluene			100		990
Acenzonthene			10U 50U		85 655
2,4-Dimitrophenol 4-Nitrophenol			50U		2,335
2,4-Duratrotoluene			10U 10U		1,590 4,000
Diethylphihalate 4-Chlorophenyl-phenylether			100	<u> </u>	NA
Fluorene 4,6-Duntro-2-methylphenol			10U 50U		NA NA
N-Nitrosodi phe: vlamene			100		295
4-Bremophenyl-phenylether Hexachlorobenzene			10U 10U		270 NA
Pentachlorophenol			30U		e (1.005(pH)-4,830)
Phenatturene			100		NA NA
Anthreene Di-n-buryl phthalate			100		105
Puoranthene Pyrene			100		200 NA
Butylbenzyl phthalate			10U		140
3.3°-Lachlorobenzidine Benzo'a)anthracene			200		0.3
Chrysene			TOU		NA.
Bis(2-Ethylhexyl)phthalate			100	2 J	NA 100
Di-n-octyl phthalate Benzo(b) Broranthene			100		NA
Renzo(k) finoenthene			100		NA NA
Berzza apyrene (BaP) Indeno 1,2,3-ed)pyrene Dibenzia,h)anthracene			100		NA
Dibenzia, hjanthracene Benzois, hijperviene			10U 10U		NA NA
Benzo'g hi)perylene N-mirosodimethylamane			1000		17,100 295
Benzične 2-Diphenyl-n-hydrazine			100U		15
Benzyl Alcohol			100		NA NA

Sample ID: CRC-2-95-C-7.4 Lab ID: CRC2C7 Elutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit vg/L	Result	Acute Water Quality Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270): Bolding time: 7 days to extract, 40 days to analyze	05/09/95	05/21/95			
Pnenol	03/03/33	03/21/99	160		100 30,000
na(2-chloroethyl)ether R-Chlorophenol			160		560
1.3-Dichlorobenzene			10U		345 730
1,4-Dichlorobenzene			100		820
2-Methylphenol			100		NA .
bis(2-chloroisopropyl)ether +Methylphenol		 	160		4,545 NA
N-Nitroso-di-n-propylamine			100		NA 60
Herachloroethane Nitrobenzene	 		10U		4,040
Sophorone			100	3.7	10,400 8,000
2-Narrophenol 2-Dimethylphenol	 		100	3 7	660_
2,4-Dichlorophenol	J		10U		1,683
2,4-Trichlorobenzene		ļ	10U 10U		130 133
Naphthalene - Chloroaniline	1		100		NA.
exachlorobutadiene			10U 10U		NA
ou(2-Chloroethoxy)methane -Chloro-3-methy(phenol (p-chloro-m-cresol)	 		100		153
Hexachlorocyclopentadiene			100		
2,4,6-Trichlorophenol	 	ļ	10U 50U		100_
1-Chloronaphthalene			10U		NA_
Directhyl phthalate			100		2,475 NA
Acenaphthylene 2,6-Dimirotolpene			100		990
Acenaphthene			10U 30U		85 655
l.4-Dinitrophenol -Natrophenol	+		30U		2,335
A-Dinitrotoluene	T		10U		1,590
Diethylphthalate -Chlorophenyl-phenylether	 		100		4,000 NA_
lborene			100		NA_
i,6-Dinitro-2-methylphenol V-Nitrosodiphenylamine	+		30U 10U		NA 293
L-Bromophenyl-phenylether			10U		270
lexachlorobenzene			10U 50U		NA c (1.005(pH)-4,830)
entachlorophenol henanthrene			100		5
Unitracene			100		NA
h-n-butyl phthalate	+		100	··	200
Trene			100		NA_
urvibenzyi phthalate 13-Dichlorobenzidine			10U 20U		140 NA
Benzo(a)anthracene			10		0.5
Drysene			10U	20	NA NA
Bis(2-Ethylhexyl)phthalate Di-n-octyl phthalate			10U	20	100
enzo(b)fluoranthene			10U 10U		NA NA
Benzo(k)lluoranthene Benzo(a)pyrene (BaP)	 		100		NA_
ndeno(1,2,3-cd)pyrene			10U		NA NA
Dibenz(a,h)anthracene Senzo(g,h.i)perylene			10U		- ÑÃ
-nitrosodimethylamine			100U		17,100 295
Schzidine 2-Diphenyl-n-hydrazine			100U 100U		15
Benzyl Alcohol			10U		NA NA
DOWN ON DECOMPT OF THE LEGISLAND					
ESTICIDES/PCBS (SW846 8080) Iolding time: 7 days to extract, 40 days to analyze	05/09/95	05/14/95			
pha-BHC			0.05U 0.05U		NA NA
eta-BHC clus-BHC			0.03U		NA NA
amma-BHC (Lindane)			0.05U		0.26
eptachlor Jenn	1		0.05U 0.05U		1.5
eptachlor Epoxide			0.05 U		0.5
ndosul (an) neldrin	 		0.05U 0.10U		0.11 1.25
7 5 7 745 1075					0.55_
4'-DDE			0.10U		
A'-DDE			0.10U 0.09U		0.09
4-DDE ndra			0.10U 0.09U 0.10U 0.10U		0.09 0.11 0.55
A-DDE ndomina II A-DDD (p.pTDE) ndosul (an Sul fate			0.10U 0.09U 0.10U 0.10U 0.10U		0.09 0.11 0.55 0.11
A'-DDE ndan ndandian II 4'-DDD (p.p'-TDE) ndandian Sulfate 4'-DDT			0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.50U		0.09 0.11 0.55 0.11 0.55 NA
A-DDE ndom ndom ndom ndom - DDD (p.p'-TDE) ndom ndom ndom - DDT			0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.50U 0.10U		0.09 0.11 0.55 0.11 0.55 NA NA
A'-DDE ndom ndomlin II A'-DDE [p.p-TDE] ndomlin Sulfaire A'-DDT (e)boxychlor nann ketone nann delnyde			0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.50U 0.10U		0.09 0.11 0.55 0.11 0.55 NA
A-DDE ndomin rdomin			0,10U 0,09U 0,10U 0,10U 0,10U 0,10U 0,50U 0,10U 0,10U 0,05U		0.09 0.11 0.55 0.11 0.55 NA NA NA 1.2
A-DDE ndom ndom ndom ndom resultan II A-DDD (p.p-TDE) ndosul lan Sulfate A-DDT techoxychlor narn Ketone ndrn Aldehyde pla-Chlordane urex urex			0.10U 0.399U 0.10U 0.10U 0.10U 0.50U 0.50U 0.10U 0.60U 0.60U 0.60U		0.09 0.11 0.55 0.11 0.55 NA NA NA
A'-DDE nden nden nden nden nden nden nden nde			0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.50U 0.10U 0.05U 0.05U 0.05U 0.05U 0.05U		0.09 0.11 0.55 0.11 0.55 NA NA NA 1.2 1.2 1.2 NA
A'-DDE ndomilan II A'-DDD (p,p'-IDE) ndosulan Sulfate A'-DDT telboxyellor nern Ketone ndrn Aldehyde pha-Chlordane mern Aldehyde pta-Chlordane mern Chlordane mern Chlordane mern Chlordane mern Chlordane			0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.05U 0.05U 0.05U 0.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		0.09 0.11 0.55 0.11 0.55 NA NA NA 1.2 1.2 NA 0.37 2
A'-DDE ndrin ndrondinn A'-DDD (p.p'-TDE) ndrondinn Sulfaire A'-DDT (exhoxychlor ndrin Aldehyde pha-Chlordane urrin-Chlordane			0.10U 0.299U 0.10U 0.10U 0.10U 0.10U 0.10U 0.50U 0.50U 0.00U 0.00SU 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U 0.00U		0.09 0.11 0.55 0.11 0.55 NA NA NA 1.2 1.2 1.2 2 2 2
A'-DDE ndin II ndomlin II -(-DDE fp.p-TDE) ndomlin Sulfate -(-DDE fp.p-TDE) ndomlin Sulfate -(-DDE fp.p-TDE) ndomlin Sulfate -(-DDE fp.p-TDE) ndomlin Aldehyde pha-Chlordane mema-Chlordane mema-Chlordane firex			0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.05U 0.10U 0.05U 0.05U 0.10U 0.05U 0.05U 0.00U		0.09 0.11 0.55 0.11 0.35 NA NA NA 1.2 1.2 1.2 2 2 2 2 2
A'-DDE nden nden nden nden nden desulfan II A'-DDD (p.pTDE) ndesulfan Sulfate A'-DDT (ethoxychlor nern Ketone ndran Adehyde pha-Chlordane mera Chlordane mera			0.10U 0.29U 0.10U 0.10U 0.10U 0.10U 0.10U 0.50U 0.10U 0.50U 0.10U 0.55U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		0.09 0.11 0.55 0.11 0.55 NA NA NA 1.2 1.2 NA 0.37 2 2
A'-DDE nden nden nden nden nden desulfan II A'-DDD (p.pTDE) ndesulfan Sulfate A'-DDT (ethoxychlor nern Ketone ndran Adehyde pha-Chlordane mera Chlordane mera			0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.05U 0.10U 0.05U 0.05U 0.10U 0.05U 0.05U 0.00U		0.09 0.11 0.55 0.11 0.55 NA NA 1.2 1.2 1.2 NA 2 2 2 2 2 2
A'-DDE medonalian II A'-DDD (p.p'-IDE) medonalian II A'-DDD (p.p'-IDE) medonalian II A'-DDD (p.p'-IDE) medonalian II Erboxychlor merin Ketone men Adehyde pha-Chlordane men Adehyde pha-Chlordane merin Chlordane meton Chlordane meton III III III III III III III II	05/09/95	05/24/95	0.10U 0.299U 0.10EU 0.1		0.09 0.11 0.55 0.11 0.55 0.11 0.55 NA NA NA NA 1.2 1.2 1.2 1.2 2 2 2 2 2 2 2 2 2
A'-DDE ndon	05/09/95	05/24/95	0.10U 0.299U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.05U 0.10U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U		0.09 0.11 0.55 0.11 0.55 NA NA 1.2 1.2 1.2 NA 2 2 2 2 2 2 2
A'-DDE ndon	05/09/95	05/24/95	0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.05U 0.05U 0.05U 0.05U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		0.09 0.11 0.55 0.11 0.55 0.11 0.35 NA NA NA 1.2 1.2 1.2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A*-DDE network of the control of the	05/09/95	05/24/95	0.10U 0.29U 0.10U 0.10U 0.10U 0.10U 0.10U 0.50U		0.09 0.11 0.55 0.11 0.55 NA NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2
A*-DDE notes in the second of	05/09/95	05/24/95	0.10U 0.29U 0.10U 0.10U 0.10U 0.10U 0.10U 0.50U 0.10U 0.05U 0.05U 0.05U 0.50U		0.09 0.11 0.55 0.11 0.55 NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 1 1 0.26 1.3
A'-DDE median median II A'-DDD [r.p.'-IDE] median II A'-DDD [r.p.'-IDE] median Sulfate A'-DDT (chexychlor metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian Actione metian III metian II	05/09/95	05/24/95	0.10U 0.09U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.05U 0.05U 0.05U 0.05U 0.50U		0.09 0.11 0.55 0.11 0.55 0.11 0.55 NA NA NA NA 1.2 1.2 1.2 1.2 2 2 2 2 2 2 2 2 2 2 2 2

Asset Mines

				 	
Sample ID: CRC-2-95-C-7.4 Lab ID: CRC2C7			Method Detection	İ	Acute Water Quality
Elutriate Prep Date: 05/06/95			Limit	Result	Criteria
	Date Extracted	Date Analyzed	0g/L	n=/].	ne/L
4,4'-DDE Endrin			0.10U 0.09U	 	0.55
Endosulian II			0.10U		0.11
4,4'-DDD (r.p'-TDE)			0.10U		0.55 0.11
Endosulfan Sulfate 4,4'-DDT	 		0.100		0.33
Methoxychier			0.50U		NA .
Endrin Ketone			0.10U 0.10U		NA NA
Endrin Aldehyde alpha-Chlordane	 		0.03 U		1.2
gamma-Chlordane			0.05U		1.2
Mirex	ļ		0.10U 1.00U		0.37
Toxaphene Aroclor-1016	 		0.300		2
Aroclor-1221			0.50U		2
Aroclor-1232	 	ļ	0.50U 0.50U		2 2
Aroclor-1242 Aroclor-1248			6.300		2
Aroclor-1254			0.50U		2
Aroclor-1260	 		0.50U		2
ODGANODIOGRIDODUS COMPOINTO (STARAGELAM)					
ORGANOPHOSPHORUS COMPOUNDS (5W846 8140):	05/09/95	05/20/95			
Holding time: 7 days to extract, 40 days to analyze Parathion	03/09/93	03/20/93	1.00		0.065
Chlorpynics			1.0U		0.083
		<u> </u>			
DISS. ORGANOPHOSPHORUS COMPOUNDS (5W846 8140):	neman-	05/21/95			
Holding time: 7 days to extract, 40 days to analyze Parathion	05/09/95	ַ כעון זינט	1.00		0.065
Chlorpynios			1.00		0.083
ALCOHOLS/ALDEHYDES (SW846 Modified 8015):		l			
Bolding time: None	<u> </u>	05/15/95			
Formaldehyde			5000U		2180
I-Propanol			5000U 5000U		227,750 443,165
2-Рторалоі			3000		773,103
DISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):					
Holding time: None		05/17/95			
Formaldehyde			5000U 5000U		2180 227,750
I-Propanol 2-Propanol			5000U		443,165
INORGANICS - TOTAL METALS (SW846 6000/7000):	05/17/95	05/19/95			
Holding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
Aluminum			43.8U 3.6U	206,000 7.8 BN	750 88
Antimony			1.60	70.3 N	360
Banum			7.90	1880	20,500
Beryllium			0.20U 34.9U	174	NA 8050
Boron Cadraum			0300	3.8	1.79
Chromum iii			10	307	984.32
Cobalt			2.1U 0.9U	153	93 9.22
Copper Lead			2.10	138	33.78
Mercury	05/24/95	05/31/95	0.20U	0.26	2.4
Nickel			3.8U 2.1U	295 4.1 BN	789,01 20
Selenium Silver			0.60U	est - reac 2.4 ; BN	0.92
Thallium			3.4U	10.2	65
Vanadium			1.2U 2.1U	45) 1570 N*	515 65.04
Zinc			2.10		- UJ,UH
INORGANICS - DISS. METALS (SW846 6000/7000):	05/17/95	05/25/95			
Holding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		ļ	
Aluminum	- Aurebrask	an onveyage	43.8U	1090 EN*	750
Antimony			3.6U 1.6U		88 360
Banum			7.90	13.4 B	20,500
Beryllium			0.200		NA.
Вогол			34,9U 0,30U	35.0 B	8050 1,79
Cadmium Chromium III		1	10	0.50 B	984.32
Cobalt			2.10		95
Соррег			0.9U 2.1U	25.3 N 3.4 BN*	9.22 33.78
Lead Mercury	05/24/95	05/31/95	0.20U	3.4 pN*	2.4
Nickel			3.80		789.01
Scienium			2.1U 0.60U	0.60 UN	20 0.92
Silver Thallium			3.40		65
Vanadium			1.20	3.6 B	515
Zinc			2.10	23.2 EN*	65.04
INODCANICS OTRED (Bendy to medicine					
INORGANICS - OTHER (Results in mg/L): Chloride		05/22/95	រប	14	86,000
Chromium VI		05/09/95, 05/10/	0.01U		NA
Cyanide Total Residual Chlorine		05/11/95 05/09/95, 05/10/	0.01U		22 19
Total Suspended Solids		05/12/93	10	11,000	NA NA
DISS INORGANICS - OTHER (Results in mg/L);		05/22/95	זנ	13	B6,000
Chromaum VI		05/09/95,05/10/ 05/11/95,05/22/9	0.010		NA.
Cvanide		05/11/95,05/22/9	0.010		22
Total Residual Chlorine Total Suspended Solids		05/09/95,05/10/ 05/12/95	0.1U IU	12	NA NA

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

Duplicate analysis not within control limits

DL - Detection limit

N - Spiked sam; le recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: PAT-1-95-C-0.0 Lab ID: PAT1C0 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ve/L	Acute Water Quality Criteria ur/L
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days		5/13/95	100	77	446,000
A cotone A crolain			1000		455
Actyloratrile	<u> </u>		1000		645 640
Benzene Bromodichloromethane			100		NA 1823
Bromoform			100		NA
Bromomethane 2-Butanone (MEK)			100		161,000 2780
Carbon Tetrachloride			100		17,300
2-Chloroethylvinylether Chlorobenzene			100		1180
Chloroethane			100		NA 1943
Chloroform Chloromethane	 		100		NA .
2-Dichloropropane			100		10,825 NA
1.1-Dichloroethane	 		100		15,440
1.1-Dichloroethene			10U		7460 6730
Dibrom schloromethane	 	 	100		1000
1,2-trans Dichloroethylene cis-1,2-Dichloroethene			100		305 305
as-1.3-Dichloropropene	<u> </u>		100	ļ 	2900
trun-13-Dichloropropene Ethyloenzene			100		21,400
2-hexanone			100		26,000 11,840
4-Metryl-2-Pentanone (MIBK)	 		100	II B_	NA.
Methylene Chloride Styrene			10U		695
Tetrachloroethylene			100		1040 NA
1,1,2-Tetrachioroethane 1,1,2,2-Tetrachioroethane	 		100		1040
Totoene			100		1650 3025
I,I,I-Inchloroethane	ļ	 	100	 	3023
1,12-Inchloroethane Inchloroethene (ICE)	 		100		2250
Vuryi Chloride			100		NA 1055
Xylener (Total)	<u> </u>	 -	100		
SEMIVOLATILE ORGANICS (SW846 8270): Holding lime: 7 days to extract, 40 days to analyze	05/11/95	05/21/95	100		100
Phenol	 	 	100	ļ	30,000
bis/2-chloroethyl)ether 2-Chlorophenol			100		560
1.3-Dichlorobenzene	I		100		345 730
1,4-Dichlorobenzene 1,2-Dichlorobenzene	 		100		820
1-Methylphenol			100		NA 4,545
but 2-chloroisopropyl)ether	 	 	100	2)	NA
4-Methylphenol N-Neroso-di-n-propylamine			100		NA 60
Hexachloroethane	 	 	100	 	4.040
Nitrobenzene Isophorone			100		10,400
2-Nrt-ophenol			100		8,000 660
2.4-Dunethylphenol 2.4-Dichlorophenol	 		100		1,685
1,2.4 Inchlorobenzene			100		130
Nanhthalene	 		100		133 NA
4-Crioroaniline Hexachlorobutadiene			10U		10
big 2 Chlomethory methane			100	 	NA
4 Chloro-3-methylphenol (p-chloro-m-cresol) Heaschlorocyclopentadiene			100		3
2,4,6 Trichlorophenol			10U 30U		100
2.4.5-Trichlorophenol 2-Chloronaphthalene	 		100		NA
Dunetryl phthalate			100		2,473 NA
Aceraphthylene		 	100		990
2.6-Distrotoluene Accrephthene			100		85
2.4-Diratrophenol	-		50U	 	655 2,335
4-Nirophenol	 	 	100		1,590
2.4-Duutrotoluene Dictrylphthalate	1		100		4,000
4-Chlorophenyi-phenylether			100		NA NA
Fluorene 4.6-Deutro-2-methylphenol	 		500		NA
N-Nitrosodiphenylamine	 		100		295 270
n-, neoscophenyrantine				L.———	NA.
4-Bromophenyl-phenylether			100	1	
4-Bromophenyl-phenylether Hexachlorobenzene			10U 30U		e (1.005(pH)-4,830)
4-bromophenyl-phenylether Hexakhorobenzene Pentachlorophenod Phenzistrene			10U 30U 10U		e (1.005(pH)-4,830)
4-bromophenyl-phenylether Hexachlorobenzene Penuschorophenol Phenxiduene Antitusene			10U 50U 10U 10U 10U		e (1.005(pH)-4,830) 5 NA 105
4-sromophenyl-phenylether Rexachlorobenzene Fornachlorophenol Pheraziturene Antivacene Di-n-brayl phthalate			10U 30U 10U 10U 10U		• (1.005(pH)-4,830) 5 NA 105 200
4-bromophenyl-phenylether Hexachlorobenzene Penuchlorophenol Phenzimene Anduracene Di-n-buryl-phthalate Piorzinthene Piorzinthene			10U 30U 10U 10U 10U 10U		e (1.005(pH)-4,830) 5 NA 105 200 NA
4-bromophenyl-phenylether Hexachiorobenzene Femachiorophenol Phenzindrene Antiracene Di-n-benyl phthalate Prozrathene Fyrzene Buryl-benyl phthalate			10U 30U 10U 10U 10U 10U 10U 10U 20U		e (1.005(pH)-4,830) 5 NA 105 200 NA 140 NA
4-bromophenyl-phenylether Hexachlorobenzene Fenuchlorophenol Phenzintene Anturicene Di-n-buryl phthalate Prozzintene Prozzintene Prozzintene Burylbenzyl phthalate Burylbenzyl phthalate Burylbenzyl phthalate Burylbenzyl phthalate Burylbenzyl phthalate Burylbenzyl phthalate			16U 36U 16U 16U 16U 16U 16U 16U 10U 10U		e (1.005(pH)-4,830) NA 105 200 NA 140 NA 0.5
4-bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Pherachlorophenol Pherachlorene Di-n-benyl-phthalate Prozenthene Fyrene Burylbenyl-phthalate 33- Dichlorobenzidine Benzol-banthrecene Ontrene			10U 30U 10U 10U 10U 10U 10U 10U 20U 1U		e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 0,5 NA
4- Fromophenyl-phenylether Herachlorobenzene Penuschlorophenol Pherachlurene Andrusene Di-n-buryl phthalate Prozrantene Prozra			10U 30U 10U 10U 10U 10U 10U 10U 10U 1	27	e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 0.5 NA
4-Bromophenyl-phenylether Hexachlorophenol Penuschlorophenol Phenschlutene Di-n-benyl phthalate Di-n-benyl phthalate Porces Burylbenyl phthalate 33-Dichlorobenzidine Benzo's handrasene Cirvene Buryl-Ethylhexyl)phthalate Buryl-Ethylhexyl)phthalate Buryl-Ethylhexyl)phthalate Buryl-Ethylhexyl)phthalate Buryl-Ethylhexyl)phthalate Buryl-Ethylhexyl)phthalate Buryl-Ethylhexyl)phthalate Buryl-Ethylhexyl)phthalate			16U 50U 50U 50U 50U 50U 50U 50U 50U 50U 50	27	e (1.005(pH)-4,830) NA 105 200 NA 140 NA 0.5 NA 100 NA
4-bromophenyl-phenylether Herachlorobenzene Femachlorophenol Pheramitene Andrecene Din-benyl phthalate Prozrathene Frace Burthemyl phthalate 3.3-Dichlorobenzidine Benzo's handracene Gersene Bur Lethylhenyl phthalate Din-benyl phthalate Din-benyl phthalate Benzo's handracene Din-benyl phthalate Burthemyl phthalate Din-nocyty phthalate Benzo's flourantheme Benzo's flourantheme			16U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1	23	e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 0.5 NA
4-bromophenyl-phenylether Hexachiorobenzene Pemachiorophenol Pherachiwene Antwicene Di-n-bryl phthalate Programmen Evrere Burylenyl phthalate 33- Unchlorobenzidine Benzo's handwiseene Curvene Burylenyl phthalate Burylenyl phthalate Burylenyl phthalate Burylenyl phthalate Burylenyl phthalate Burylenyl phthalate Burylenyl phthalate Burylenyl phthalate Buryly phthalate Benzo's hiboranthene Benzo's hiboranthene Benzo's hiboranthene Benzo's hiboranthene			10U 50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1	2 3	e (1.005(pH)-4,830) NA 105 200 NA 140 NA 0.5 NA NA NA NA NA NA NA
4- Bromophenyl-phenylether Hexachlorobenzene Pemachlorophenol Pherzachivene Antrucene Di-n-benyl phthalate Prozrathene Freze Burylenryl phthalate JS- Dichlorobenzadune Benzo's hantrucene Curvene Buryl-Ethylhesyl phthalate Buryl-Ethylhesyl phthalate Di-n-ceryl phthalate Di-n-ceryl phthalate Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene Benzo's lyboranthene			16U 50U 50U 50U 50U 50U 50U 50U 50U 50U 50	23	e (1.005(pH)-4,830) NA 105 200 NA 140 NA 0,3 NA 100 NA NA NA NA NA
4-bromophenyl-phenylether Hexachlorobenzene Pemachlorophenol Phenzichtene D-n-benyl-phthalate D-n-benyl-phthalate Prozrathene Free Bur-Benyl-phthalate J-1-bishlorobenzidine Benzo-landhriseene Corvene Bur-Lethylhexyl-phthalate D-n-ocyl-phthalate D-n-ocyl-phthalate Benzo-lylboranthene Benzo-lylboranthene Benzo-lylboranthene Benzo-lylboranthene Benzo-lylboranthene Benzo-lylboranthene Benzo-lylboranthene Benzo-lylboranthene Benzo-lylboranthene Benzo-lylboranthene			16U 50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1	27	e (1.005(pH)-4,830) NA 105 200 NA 140 NA 0,5 NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
4-bromophenyl-phenylether Herachlorosphenod Permachlorosphenod Permachlorosphenod Permachlorosphenod Permachlorosphenod Permachlorosphenod Permachlorosphenod Processing Burstenes Process Burstenes			10U 30U 30U 10U	27	e (1.005(pH)-4,830) NA 105 200 NA 140 NA 100 NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA
4-bromophenyl-phenylether Herachlorobenzene Femachlorophenol Phenachlorophenol Phenachlorophenol Phenachlorophenol Phenachlorophenol Phenachlorophenol Phenachlorophenol Phonoruphene Proces Burnbernyl phthalate 3.3-Dichlorobenzidine Bernzo's handrasene Chrysene Burnbernyl phthalate Bernzo's handrasene Bur J. Ethylhesyl Johthalate Dan-ocryl phthalate Bernzo's Dibooranthene Bernzo's Dibooranthene Bernzo's Dibooranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene Bernzo's Diborranthene			16U 50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1	21	e (1.005(pH)-4,830) NA 105 200 NA 140 NA 0.5 NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA

A Secondary

:

Sample ID: PAT-1-95-C-0.0 Lab ID: PAT1C0 Elutriate Prep Date: 05/08/95			Method Detection	Result	Acute Water Quality Criteria
	Date Extracted	Date Analyzed	er/L	ne/L	ue/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95			- 100
Phenol bis(2-chloroethyl)ether			100		100 30,000 560
2-Chlorophenol 1.3-Dichlorobenzene	 		100		345
1,4-Dichlorobenzene			100		730 820
2-Methylphenol bis(2-chloroisopropyl)ether			100		NA 4,545
4-Methylphenol N-Niroso-di-n-propylamine			100	1,1	NA NA
Hexachloroethane Nitrobenzene	 		100		60 4,040
Isophorone			100	2.7	10,400 8,000
2-Nivophenol 2.4-Dimethylphenol			100	3.7	660 1,685
2,4-Dichlorophenol [],2,4-Trichlorobenzene	<u> </u>		100		130 135
Naphthalene 4-Chloroaniline			100		NA 10
Hexachlorobutadiene bis(2-Chloroethoxy)methane			100		NA 155
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			100		3
2,4,6-Inchlorophenol 2,4,5-Inchlorophenol			10U 30U		100
2-Chloronaphthalene Dimethyl phthalate			100		NA 2,475
Acenaphthylene 2,6-Dinitrotoluene			10U 10U		NA 990
Acenaphthene 2.4-Dimmophenol	 		10U 30U		85 655
4-Nitrophenol 2.4-Dimitrotoluene			50U 10U		2,335 1,590
Dechylphthalate 4-Chlorophenyl-phenylether			100	77	4,000 NA
4.6-Dinipo-2-methylphenol			100 300		NA NA
N-Nitrosodiphenylamine			100		295 270
4-Bromophenyl-phenylether Hexachlorobenzene			100		NA e (1.003(pH)-4,830)
Pentachlorophenol Phenanthrene			100		NA NA
Anthracene Di-n-butyl phthalate	<u> </u>		100		103
Pyrene			100		NA
Butylbenzyl phthalate 3,3'-Dichlorobenzodine			10U 20U		140 NA
Benzo(a)anthracene Chrysene			100		0.5 NA
Air 2. Emulher vimhthalate			10U 10U	29	NA 100
Di-n-octyl phthalate Benzo(b)fluoramhene Benzo(k)fluoramhene			100		NA NA
Benzo(a)pyrene (BaP) Indeno(1.2.3-cd)pyrene Dibenz(a,h)anthracene			100		NA NA
Dibenz(sh)anthracene Benzo(gh,)perylene			10U 10U		NA NA
N-nitrodunethylamine Benzidine			100U 100U		17,100 295
1,2-Diphenyl-n-hydrazine			1000		15 NA
Benzyl Alcohol			745		
PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyza	05/10/95	05/14/95			
alpha-BHC beta-BHC			0.03U 0.03U		NA NA
delta-BHC gamma-BHC (Lindane)			0,05U 0,05U		NA .
Heptachlor			0.05U 0.05U		0.26 1.5
Aldrin Heptachlor Epoxide			0.03U 0.03U		0.5
Endorulfan I Dieldrin			6.10U 0.10U	0.26	1.25 0.35 0.09
4,4-DDE Endra			0.00U	0.20	0.09 0.11
Endoculfan II 4,4'-DDD (p.p'-TDE) Endoculfan Sulfate			0.10U 0.10U		0.33 0.11
14.4°-DDT			0.100 0.100 0.300		0.33 NA
Methoxychlor Endrin Ketone			0.10U		NA
Endrin Aldehyde			0.10U 0.03U		NA 1.2
gunna-Chlordane Mirex			0.03U 0.10U		1.2 NA
Toxaphene Aroclor-1016			1.00U 0.30U		0,37 2
Aroclor-1221 Aroclor-1232			0.50U 0.50U		2
Aroclor-1242 Aroclor-1248			0.50U 0.50U		2
Aroclor-1254 Aroclor-1260			0.50U 0.50U	0.36	2 2
DISCOLVED PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract, 40 days to analyze alpha-BHC	05/10/95	05/24/95	2.05U		. NA
beta-BHC			0.05U		NA NA
delta-BHC gamma-BHC (Lindane)			0.05U 0.05U		0.26
Heptachlor Aldrin			0.03U		1.3 0.3
Heptachlor Epoxide Endosulfan I			0.05U 0.05U		0.11
Dieldrin	L	1	0.10U		1.25

Sample ID: PAT-1-95-C-0.0 .ab ID: PAT1C0 Clutriate Prep Date: 05/08/95			Method Detection Limit	Result	Acute Water Qua Criteria
3'CU-7,	Date Extracted	Date Analyzed	0.100	ne/L	0.55
ndnn			0.09U		0.09
ndosulan II			0.100		0.11
4-DDD (p,p'-TDE) ndost:l'an Sulfate	+	 	0.10U 0.10U		0.55
,4'-D3T	+	 	0.100		0.55
lethoxychlor			0,300		NA
ndrir. Kelone			0.10U	ļ	NA NA
ndrin Aldehyde pha-Chlordane		 	0.10U 0.03U		NA 1.2
amma-Citlordane			0.030		1.2
urex.			0.10U		NA
oxaphene			1.000		0.37
roctor-1016 roctor-1221	 	 	0.50U 0.50U	 	
rocior-1232	+		0.50U	 	
rocior-1242			0.500		2
rocior-1248		ļ	0.50U		2
rocior-1254 rocior-1260		 	0.50U 0.50U	<u> </u>	2 2
TOCIOT-1 200			0,300		
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):		1			l
		1 1		1	
olding time: 7 days to extract, 40 days to analyze traduon	05/10/95	05/21/95	1.00	 	0.065
hlorpynfos	 	 	1.00	 	0.083
Bolgifics	 	 	1.00	 	0.003
ISS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):			T	l
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/23/95		<u> </u>	
urathion			1.00		0.065
урогруппов			1.00	<u> </u>	0.083
	- 	 		ļ	· · · · · · · · · · · · · · · · · · ·
LCOHOLS/ALDEHYDES (SW846 Modified 8015):	1	,			
olding time:		05/11/95			
ormaldehyde			5000U		2180
Рторыпоі			3000U		227,750
Propenol			3000U		443,165
		 		ļ	
ISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):		1 1			
olding time:	·	05/11/95	5000U		2180
тимиенуме Ргорало!	 	 	30000		227,730
Propanol	 	 	5000U		443,163
		1			
ORGANICS - TOTAL METALS (SW846 6000/7000);	05/17/95	05/19/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
munum	all except rig	att except rig	43.8U	46,900	750
ramony .	1		3.60	10.9 BN	88
Servic			1.60	39.8 N	360
nwh			7.90	693	20,500
rylium	 	l	0.20U 34.9U	4.2 B	NA 8030
ron dm:m			0.30U	**************************************	1.79
romum III	1	1	iŭ	418	984.32
balt			2.10	38.7 B	95
ppe: ·	ļ		0.90	o jangain 360 *	9.22
id retry	05/24/93	05/31/95	2.1U 0.20U	gandarivagan\$78a,°aasi 1.4	33.78 2.4
rkel	03/24/73	03/31/73	3.8U	83.7	789.01
enca	1	<u> </u>	2.1U	6.0 N	20
ver			0.60U	30 00 01 J.4 N	0.92
dhem			3.4U	4.1 B	63
nadrum	<u> </u>		1.2U 2.1U	176	515
ic	 	 	4.IU	~ 1730 N°	65.04
ODCANICE DICE METAL CORRECTIONS	05/205	00000			
ORGANICS - DISS. METALS (SW846 6000/1000):	05/17/95	05/25/95			
kling time: 6 mo. (28 days Hg)	all except Hg	all except Hg	49 611	The second second	770
uninum umony	 		43.8U 3.6U	2760 EN*	750 88
enic	1		1.60	6.3 B	360
ושו	<u> </u>		7.90	223	20,500
yEium			0.20U	0.23 B	NA
on	-		34.9U	171	8050
mrum omcum III			0.30U IU	0.76 B 26	1.79 984.32
onedn III	l		2.10	2.2 B	95
per .			0.90	30.8 N	9.22
d "" '			2.10	32.9 N°	33.78
CLLA	05/24/95	05/31/95	0.20U		2.4
kel nium	 		3.8U 2.1U	4.9 B	789.01 20
ar	 	· · · · · · · · · · · · · · · · · · ·	0.600	0.62 BN	0.92
Lium .			3.40		65
adium			1.20	18.3 B	313
·			2.10	142 EN*	65.04
DOLLINGS CONTENTS OF THE STATE	[
PRGANICS - OTHER (Results in mg/L):		ntrant	טו	,,	96 000
oride ornum VI		05/22/95	0.010	18	86,000 NA
hide		03/11/95	0.010		22
l kendual Chlorine		05/09/93, 05/10/	0.10		19
I Suspended Solids		05/12/95	10	1240	NA NA
		T			
S. INORGANICS - OTHER (Results in mg/L):]		T	1	
oride VI	L	05/22/95 05/09/95, 05/10/	1U 0.01U	18	86,000
omittin VI		03/09/93, 03/10/1	0.010		NA 22
l kesidual Chlorine	т.	05/09/93, 05/10/	0.10		. 19

Definitions:

NA - Not Available

10 - Micrograms per Liter, parts per billion

11 - Indicated

1 - Estimated value

1 - Estimated value

1 - Detection limit

1 - Detection limit

1 - Detection limit

1 - Estimated value

1 - Spiked samples not within control limits

1 - Detection limit

1 - Spiked sample recovery not within control limits

1 - Spiked sample recovery not within control limits

1 - Spiked sample recovery not within control limits

1 - Spiked sample recovery not within control limits

1 - Spiked sample recovery not within control limits

sample ID: PAT-1-95-C-2.3 Lab ID: PAT1C2 Elutriate Prep Date: 05/08/95	Data Passastad	Date Analyzed	Method Detection Limit ue/L	Result	Acute Water Quality Criteria ug/L	
OLATILE ORGANICS (SW846 8240):	Date Extracted	Date Ananyzed	9971	HE/J/	,	
folding time: 14 days	ļ -	5/13/95	100	50	446,000	
Acetone Acrolein			1000		455 645	
Acrylonitrile Benzene	 		100U 10U		640	
romodichloromethane Fromoform			10U 10U		NA 1825	
romonethane -Butanone (MEK)			10U 10U		NA 161,000	
-Butanone (MEK) - Arbon Tetrachloride	<u> </u>		100		2780 17,300	
-Chloroethylvinylether -Alorobenzene	 		100		1180	
hloroethane	Ţ		100		NA 1945	
Aloroform Aloromethane			100		NA 10.825	
2-Dichloropropane ,1-Dichloroethane			100		10,825 NA 15,440	
2-Dichloroethane ,I-Dichloroethene	 	<u> </u>	100		7460	
Dibromochloromethane 2-trans Dichloroethylene	ļ		100		6750 1000	
25-1,2-Dichloroethene	Ì		10U 10U		305	•
as-1,3-Dichloropropene rans-1,3-Dichloropropene			100		2900 21,400 26,000	
hylbenzene l-Hexanone			100		26,000	
-Free Methyl-2-Penianone (MIBK) Methylene Chloride	 	<u> </u>	100	4 JB	11,840 NA	
dyrene			100		695 1040	
etrachloroethylene ,1,1,2-Tetrachloroethane			100		NA 1040	
122-Tetrachioroethane			100		1630	
,1,1-Inchloroethane			100		3025 3390	
,1,2-Trichloroethane (nchloroethane (TCE)			100		3390 2230 NA	
Vinyl Cilorida Xylenes (Total)	<u> </u>		100		1055	
SEMIVOLATILE ORGANICS (SW846 8270):			 			
Holding time: 7 days to extract, 40 days to analyze	05/11/95	05/21/95			100	
Phenol pis(2-chloroethyl)ether	-		100		30,000	
-Chlorophenol 3-Dichlorobenzene			10U 10U		560 345 730	
,4-Dichlorobenzene			100		730 820	
_2-Dichlorobenzene 2-Methylphenol	<u> </u>		100		820 NA	
os(2-chloroisopropy1)ether 1-Methylphenol		 	100		4,545 NA	
N-Nitroso-di-n-propylamine			100		NA 60	
Texachioroethane Nitrobenzene			100		4,040 10,400	
sophorone I-Nitrophenol			100		8,000 620	
2.4-Dimethylphenol 2.4-Dichlorophenol		<u> </u>	100	13	1,683	
.2.4-Inchlorobenzene			100		130	
Vaphthalene -Chloroaniline			100		NA 10	
Hexachiorobutadiene pis(2-Chloroethoxy)methane			100		NA	
Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			10U 10U		155	
2.4.6-Trichlorophenol			10U 30U		100	
. 4,5-Trichlorophenol -Chloronaphthalene			100		NA	
Dimethyl phthalate Acenaphthylene		<u> </u>	100		2,475 NA	
l.&Din rotoluene Acenaphthene	 		10U 10U		990 85	
2,4-Dinitrophenol			30U 30U		655 2,335	
I-Nitrophenol I,4-Dinitrotoluene			100		1,390	
liethylphthalate -Chlorophenyl-phenylether	<u> </u>		10U 10U	2.1	NA	
horene			10U 30U		NA NA	
,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine -Bromophenyl-phenylather	 		10U 10U		293 270	
-Bromophenyl-phenylether exachlorobenzene			10U		NA.	
entachlorophenol henanthrene	 		36U 16U		e (1.005(pH)-4,830) 3	
nthracene			100		NA 103	
N-n-butyl phthalate huoranthene			100		200	
Yrene Butylbenzyl phthalate	 		10U 10U		NA 140	
3'-Dichlorobenzidine			200 IU		NA 0.3	
enzo(ajanthracene Juysene			100		NA	•
is(2-Ethylhexyl)phthalate Di-n-octyl phthalate	 		10U 10U	4 1	NA 100	
senzo(b)fluoranthene	 		10U 10U		NA NA	
Penzo(k)fluoranthene Penzo(a)pyrene (BaP)			100		NA NA	•
Senzo(a)pyrene (BaP) ndeno(1,23-cd)pyrene)jbenz(a,h)anturacene	 		10U 10U 10U		NA	
Senzo(g,h,ı)perylene	-		1000		NA 17,100	
nitrosodimethylamine enzidine			1000		295 15	
,2-Diphenyi-n-hydrazine Senzyi Alcohol			100		NA NA	
	1	<u> </u>				
						

sample ID: PAT-1-95-C-2.3 ab ID: PAT1C2 clutrinte Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Qua Criteria ug/L
olss. SEMIVOLATILE ORGANICS (SW846 8270): lolding time: 7 days to extract, 40 days to analyze	05/10/94	05/24/95			
henol is(2-chloroethyl)ether			100		100 30,000
-Chlorophenol			100		560
3-Dichlorobenzene 4-Dichlorobenzene			100		345 730
2-Dichlorobenzene			10U		820
-Methylphenol			100		NA 4,345
is(2-chloroisopropyl)ether -Methylphenol			100	3.1	NA.
-Nitroso-di-n-propylamine exachloroethane			100		NA 60
itrobenzene			ToU		4,040
pophorone			100	3 1	10,400 8,000
-Nitrophenol ,4-Dimethylphenol			100	7.7	660
,4-Dichlorophenol			100		1,685
2,4-Trichlorobenzene aphthalene			100		133
Chloroeniline			100		NA 10
exachlorobutadiene s/2-Chloroethoxy imethane		 	100		NA NA
s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			100		133
exachlorocyclopentadiene 4,6-Trichlorophenol			100		
1,5-Trichlorophenol			300		100
Chloronaphthalene imethyl phthalate			100		NA 2,475
tenaphthylene			100		NA NA
6-Dinitrotoluene			10U 10U		990 83
zenaphthene 4-Dinitrophenol			500		655
Nitrophenol			30U		2,335
l-Dinitrotoluene cthylphthalate			10U 10U	3 J	1,590
Chlorophenyl-phenylether			100		NA
corene Chinima 2 methylphenol			10U 30U		NA NA
5-Dinitro-2-methylphenol Nitrosodiphenylamine			100		295
Bromophenyl-phenylether			100		270 NA
xachiorobenzene ntachiorophenol			300		€ (1.005(pH)-4,83
enanthrene			100		5
nthracene -n-butyl phthalate			100		NA 103
uoranthene			100		200
rene			100		NA I40
nylbenzyl phthalate I'-Dichlorobenzidine			200		NA.
nzo(a)anthracene			1U 10U		0.5
ryrene s(2-Ethylhexyl)phthalate			100	17	NA NA
-n-octyl phthalate			100		100
nzo(b)liboranthene nzo(k)liboranthene			100		NA NA
nzo(a)pyrene (BaP) deno(1,2,3-cd)pyrene			100		ΝΑ
deno(1,2,3-cd)pyrene benz(a,h)anthracene			100		NA NA
nzo(g,h,i)perylene			100		NA
nitrosodimethylamine nzidine			1000		17,100 295
l-Diphenyl-n-hydrazine			100U		13
nzyl Alcohol			100		NA.
STICIDES/PCBS (SW846 8080)					
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/14/95	1		
ha-BHC			0,03U		NA
a-BHC ta-BHC			0.05U 0.05U		NA NA
nma-BHC (Lindane)			0.05U		''
ptachlor			0.05U 0.05U		0.26 1.3
irin ptachlor Epoxide			0.050		0.5
iosulfan i			0.05U		0.11
Idrin -DDE			0.10U 0.10U		1.25 0.55
lon			0.09U		0.09
iosulfan il DDD (n n-TDE)	_		0,10U 0,10U	·	0.11
-DDD (p.p'-TDE) los lifan Sulfate			0,100		0.11
-DDT thoxychlor			0.10U 0.50U		0.55 NA
irin Ketone			0.100		NANA
rin Aldehyde na-Chlordane	+		0,10U 0.03U		NA 1.2
nna-Chlordane			0.03U		1.2
ex exhaus			0.10U 1.00U		NA 0,37
aphene clor-1016			0.50U		2
clor-1221 clor-1232	T		0.50U 0.50U		2
clor-1242			0.50U		2
clor-1248			0.50U		2
clor-1254 clor-1260		+	0.50U 0.50U		2 2
					
SOLVED PESTICIDES/PCBS (SW846 8080)		T			
iding time: 7 days to extract, 40 days to analyze na-BHC	05/10/9.5	05/24/95	0.05U		NA NA
-BHC		t.	0.03U		NA_
a-BHC			0.05U 0.05U		NA
ums-BHC (Lindane) stachlor			0.03U		0.26
rin			0.050		1.3
tachlor Epoxide			0.030	l	0.5
iosulfan I			0.05U		0.11

Sample ID: PAT-1-95-C-2.3 Lab ID: PAT1C2 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ve/L	Result	Acute Water Quality Criteria ug/L
4-DDE	Date Dates	I Allendar	9:/L 0.100	UE'A	0.35
Endrin			0.09U 0.10U		0.09
Endosulfan II	 -	 	0.100	 	0.33
4,4'-DDD (p,p'-TDE) Endosulfan Sulfate	 		0.100		0.11
4,4'-DDT		ļ	0.10U		0.55
Methoxychlor Endrin Ketone	 	}	0.50U 0.10U	 	NA NA
Endrin Aldehyde			0.10U		NA
alpha-Chlordane			0.63U		1.2
ramma-Chlordane		 	0.05U 0.10U	 	1.2 NA
hirex Toxaphene	 	-	1.00U	 	0.37
Aroclor-1016			0.50U		2
Aroclor-1221	ļ	ļ	0.50U 0.50U		
Aroclor-1232 Aroclor-1242	 	 	0.30U	 	1
Aroclor-1248			0.50U		2
Aroclor-1254			0.50U		2 2
Aroclor-1260	 	 	0.500	 	
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):	040004	247174			
Holding time: 7 days to extract, 40 days to analyze Parathion	05/10/95	05/21/95	1.00		0.065
Chlorpynios	 	 	1.00		0.083
<u> </u>					
DISS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140): Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/23/95			
arathion			1.00		0.065
Chlorpyrifos			1.00	ļ	0.083
	 			 	
ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	1			1	
Holding time: None	<u> </u>	05/11/95		<u> </u>	
Formaldehyde			S000U		2180
I-Propanol	 		5000U 5000U	ļ	227,750 443,165
е-ггоралоі		 	3000		445,105
DISS, ALCOHOLS/ALDEHYDES (SW846 ModUled 8015);					
lolding time: None		05/11/95			
ormaldehyde			3000U		2180
-Propanol			5000U		227,750 443,165
Propanoi	 		3000		445,105
NORGANICS - TOTAL METALS (SW846 6000/7000):	05/17/95	05/19/95			
Holding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
Juminum			43,8U	20,600	750
Untimony			3.60	3.6 UN 9.2 BN	88 360
Arsenic Sarium			1.6U 7.9U	9,2 BN	20,500
Peryllium			0.20U	3.0 B	NA
Soron			34.9U	64.6 B	8050
admium			0.30U	0.51 B	1.79 984,32
Irromium III Lobalt			2.10	20.5 B	95
Оррег			0.90	Bayara risk (24 1 sala)	9.22
.234	0/0/0/	AZBINZ	2.10	49.2	33.78
Serenry	05/24/95	05/31/95	0.20U 3.8U	39.6 B	2.4 789.01
vickel selenium			2.10	7.6 N	20
ilver			0.60U	8.2 BN	0.92
hallium			3.40	144	63
ensdium			1.20 2.10	137 212 N°	513 65.04
ine			2.10	Signer of Strate in Sc	03.04
NORGA' . CS - DISS. METALS (SW846 6000/7000):	05/17/95 all except Hg	05/25/95 all except Hg			
lolding time: 6 mo. (28 days Hg)	an except tra	an except rig	43.8U	895 EN*	750
untimony			3.60		88
rsenic			1.6U 7.9U	75.4 B	360 20,500
eryllium			0.200	/3.4 B	NA NA
oron			34.9U	70.0 B	8050
admium			0.30U		1.79
hromium III obali			2.10		984.32 95
opper			6.9Ŭ	10.2 BN	9.22
ead			2.10	2.1 UN*	33.78 2.4
lercury	05/24/95	05/31/95	0.20U 3.8U		789.01
ickel elenium			2.10		20
ilver			0.60U	0.60 UN	0.92
hellium			3.40		65
anadium inc			1.2U 2.1U	6.4 B 26.6 EN*	515 65.04
uiv				10.0 EN	
NORGANICS - OTHER (Results in me/L):					
hloride		05/22/95	1U 0.01U	20	86,000
hromium VI yanide		05/09/95, 05/10/	0.010		NA 22
variute oral Residual Chlorine		03/09/93.03/10/	0.10		19
otal Suspended Solids		05/09/95, 05/10/ 05/12/95	10	960	NA
ISS. INORGANICS - OTHER (Results in me/L):	- 1	05020.	וט	- 1	04 000
hloride hromium VI		05/22/95	0.010	20	86,000 NA
90111111111111111111111111111111111111)5/11/93, 05/22/91 ⁻	0.010		22
yanude					
yanide Dial Kesidual Chlorine Dial Suspended Solids		05/09/95, 05/10/ 05/12/95	0.10	28	NA.

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

* - Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

ample ID: PAT-2-95-C-0.0 ab ID: PAT2C0 lutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit vg/l,	Result ug/L	Acute Water Qual Criteria ug/L
OLATILE ORGANICS (SW846 8240):	Trate Exil acted	Ivate Analyzed	9,7,7		
olding time: 14 days	l	5/13/95			
cetone			100	71	446,000
erolein crylonitrile		 	100U		645
enzene			100		640
romodichloromethane	1		100		NA NA
romoform	- 	 	100		1825 NA
romomethane Butanone (MEK)	+	 	100		161,000
arbon Tetrachlonde			100		2780
Chloroethylvinylether		ļ	100		17,500 1180
hlorobenzene hloroethane		 	10U		NA.
hloroform			10U		1945
hloromethane			100		10,825
2-Dichloropropane I-Dichloroethane		————	100		NA
2-Dichloroethane			100		15,440
1-Dichloroethene			100		7460 6750
ibromochloromethane 2-trans Dichloroethylene	 -	 	100		1000
s-1,2-Dichloroethene			100		305
s-[,3-Dichloropropene			100		305
ins-1,3-Dichloropropene		 	100		2900 21,400
hylbenzene Hexanone		 	100		26,000
Methyl-2-Pentanone (MIBK)			100		11,840
ethylene Chlonde			100	7 JB	NA 695
yrene		 	100		1040
trachloroethylene			100		NA
1,1,2-Tetrachloroethane 1,2,2-Tetrachloroethane			100		1040 1650
oluene 1,1-Trichloroethane		 	100		3025
1,1-Trichloroethane	+	 	100		3390
nchloroethene (TCE)			100		2250
nyi Chloride			100		NA 1055
ylenes (Total)			100		10,7
EMIYOLATILE ORGANICS (SW846 8270): olding time: 7 days to extract, 40 days to analyze	05/11/95	05/21/95			
nenol			100		100
s(2-chloroethyl)ether Chlorophenol		 	100		30,000 560
3-Dichlorobenzene	 		100		345
4-Dichlorobenzene			100		730
2-Dichlorobenzene		ļ	100		820 NA
Methylphenol n(2-chloroisopropyl)ether			100		4,545
Methylphenol			100	1.7	NA NA
Nitroso-di-n-propylamine		l ———	100		NA 60
exachloroethane trobenzene		 	100		4,040
phorone			100		10,400
Nitrophenol			100		8,000
4-Dimethylphenol 4-Dichlorophenol	-		100		1,683
2,4-Trichlorobenzene			100		130
phthalene		1 - 1			
Chloroaniline		· · · · · · · · · · · · · · · · · · ·	100		135
was bloombute die be			100		135 NA
xachlorobutadiene x(2-Chloroethoxy)methane	-		10U 10U 10U		135 NA 10 NA
s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			10U 10U 10U 10U		135 NA 10 NA 155
s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopeniadiene			10U 10U 10U 10U 10U		135 NA 10 NA
(2-Chloroethoxy)methane Chloro-J-methylphenol (p-chloro-m-cresol) :xschlorocyclopenu diene 4,6-Trichlorophenol			10U 10U 10U 10U		135 NA 10 NA 155
(3-Chioroethory)methane Chloro-1-methylphenol (p-chloro-m-cresol) xxchlorocylcpenta dene 4,5-Trichlorophenol Chloronaphthalene			10U 10U 10U 10U 10U 10U 50U		135 NA 10 NA 155 5 5 100 NA
(3_Chloroethory)methane Chloros-Imethylphenol (p-chloro-m-cresol) Exachlorocyclopentadiene \$,5_Inchlorophenol \$,5_Inchlorophenol Chloronsphthalene methyl phthalate			10U 10U 10U 10U 10U 10U 10U 30U 10U		135 NA 10 NA 155 5 5 100 NA 2,475
(3/Chioroethory) methane Chloro-1-methylphenol (p-chloro-m-cresol) xxchlorocyclopenta dene \$,6-Trichlorophenol \$,5-Trichlorophenol Chloronsphthalene methyl phthalate zasphhylene			10U 10U 10U 10U 10U 10U 50U		135 NA 10 NA 155 5 5 100 NA
(?-Chloroethory)methane Chloro-I-methylphenol (p-chloro-m-cresol) xxchlorocyclopenta-dene \$,6-Trichlorophenol \$,5-Trichlorophenol Chloronsphthalene methyl phthalate znaphthylene 5-Dintrotoluene znaphthylene			10U 10U 10U 10U 10U 10U 50U 10U 10U 10U		133 NA 10 NA 155 5 100 NA 2,475 NA 990 85
(3/Chioroethory) methane Chloro-3-methylphenol (p-chloro-m-cresol) xschlorocylopenta dene \$5-Trichlorophenol \$5-Trichlorophenol Chloronsphthalene methyl phthalate zaraphthylene S-Dinitrotoluene enaphthene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 155 5 5 100 NA 2,475 NA 990 85
(2-Chlorocthox)methane Chloro-Smethylphenol (p-chloro-m-cresol) xachlorocyclopentadiene x,6-Trichlorophenol x,5-Trichlorophenol Chloronaphthalene methyl phthalate zenaphthylene Chlorotocluene zenaphthylene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590
(3_Chlorochox)methane Chloros-Imeltylphenol (p-chloro-m-cresol) reachlorocyclopentadiene (s,6_Inchlorophenol (s,1_Inchlorophenol Chloronaphthalene methyl phthalate zenaphthylene SDinitrochuene zenaphthene L-Duitrophenol (strophenol L-Duitrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 155 5 5 100 NA 2,475 NA 2,475 NA 990 85 655 2,235 1,590 4,000
(3-Chioroethory) methane Chloro-1-methylphenol (p-chloro-m-cresol) xxchlorocyclopenia dene \$,6-Irichlorophenol \$,5-Irichlorophenol Chloronsphthalene methyl phthalate zenaphthylene 5-DinitrotolueneDinitrotolueneDinitrotolueneDinitrotolueneDinitrotolueneDinitrotolueneDinitrotolueneDinitrotolueneDinitrotoluene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 135 5 5 100 NA 2,475 NA 990 990 2,335 2,335 1,590 4,000 NA
(3_Chloroethory)methane Chloros-Imethylphenol (p-chloro-m-cresol) ratchlorocyclopena dene (s_C-Trichlorophenol (s_T-Trichlorophenol Chloronaphthalene methyl phhalate erasphthylene Dimitroblouene erasphthene - Dimitroblouene - D			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 153 5 5 100 NA 2,473 NA 990 83 635 2,335 1,590 4,000 NA
(3_Chiorochoxy)methane Chloros-I-methylphenol (p-chloro-m-cresol) xxchlorocyclopenia diene x,6_I-fichlorophenol x,6_I-fichlorophenol Chloronaphthalene methyl phthalate zensphilylene S-Dinitroclotene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 153 5 5 100 NA 2,475 NA 2,475 NA 990 83 2,335 1,590 4,000 NA NA NA NA
(3_Chloroethory)methane Chloros-Imelhylphenol (p-chloro-m-cresol) exachlorocyclopentadiene s,6_Firchlorophenol s,6_Firchlorophenol Chloronaphthalene methyl phthalate exasphthylene Schmitteoluene echyphthene Dinitrophenol Nitrophenol Dinitrotoluene echyphthalate Chlorophenol Dinitrotoluene echyphthalate Chlorophenyl-phenylether Dinitrotoluene echyphthalate Chlorophenyl-phenylether orene Dinitro-2-methylphenol Nitrosodiphenyl-phenylether Stromophenyl-phenylether			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 153 5 5 100 NA 2,475 NA 990 83 635 2,235 1,590 4,000 NA NA NA NA
(3_Chloroethory)methane Chloros-Imethylphenol (p-chloro-m-cresol) reschlorocyclopena dene (s_Trichlorophenol (s_Trichlorophenol Chloronsphthalene methyl phhalate remphhylene Shmitrotoluene remphhylene Shmitrotoluene remphhene Homitrophenol Nitrophenol Loriutrotoluene ethylphihalate Chlorophenylphenylether screene Thirocochphenylphenylether Shrivoscolphenylamine Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether Romophenyl-phenylether			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 153 5 5 100 NA 2,475 NA 2,475 NA 990 85 2,335 2,335 4,000 NA NA NA
(3_Chlorochox)methane Chloros-Imeltylphenol (p-chloro-m-cresol) reachlorocyclopentadiene (s,6_Trichlorophenol (s,6_Trichlorophenol Chloronaphthalene methyl phhalate zenaphthylene Sumitoroluene zenaphthene Librorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 135 5 5 100 NA 2,475 NA 990 85 635 2,335 2,335 1,590 4,000 NA NA NA NA 925 275 NA NA 920 1,000 NA NA NA NA NA NA NA
(3_Chlorochox)methane Chloros-Imeltylphenol (p-chloro-m-cresol) ratchlorocyclopenta diene (3,6_Trichlorophenol (3,5_Trichlorophenol Chloronaphthalene methyl phhalate erasphilylene Dimitroclouene erasphiltene L-Duitrophenol Nitrophenol Divitroclouene ethylphilaste Chlorophenyl-phenylether sorene Divitroclouene ethylphilaste Chlorophenyl-phenylether sorene Divitro-2-methylphenol Nitrosodiphenyl-phenylether saschlorobenzene naschlorobenzene naschlorobenzene naschlorobenzene naschlorobenzene naschlorobenol enantwene divisorene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 153 5 100 NA 2,475 NA 83 2,475 NA 85 655 2,335 1,590 NA NA NA 2,475 NA 990 85 655 2,335 1,590 NA 1,400
(3_Chiorochioxy)methane Chlorro-Imelly)phenol (p-chloro-m-cresol) xxchlorocyclopentadiene \$,5_Irichlorophenol Chloronsphthalene methyl phthalate zensphthalene zensphthene S-Dinitroclouene zensphthene - Dinitroclouene zensphthene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 135 5 5 100 NA 2,475 NA 2,475 NA 990 85 635 2,335 1,590 4,000 NA NA NA NA 990 81 635 2,335 2,335 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA
(3_Chlorocthoxy)methane Chloros-Imethylphenol (p-chloro-m-cresol) reschlorocyclopena dene (s_C-Trichlorophenol (s_T-Trichlorophenol Chloronaphthalene methyl phhalate enaphthylene Dimitroclouene enaphthene - Dimitroclouene enaphthene - Dimitroclouene (s-Dimitroclouene - Dimitroclouene		10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 153 5 5 100 NA 2,475 NA 2,475 NA 85 5 5 5 5 1,590 4,000 NA NA 2,435 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 4,000 NA 1,000 NA	
(3_Chlorochox)methane Chloros-Imelly)phenol (p-chloro-m-cresol) exachlorocyclopentadiene (5_Firchlorophenol (5_Firchlorophenol Chloronaphthalene methyl phthalate exasphthalene Exasphthene Chloronaphthalene Exasphthene Chlorophenol (Nitrophenol Chloroph			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 10 NA 155 5 5 100 NA 2,475 NA NA 5950 85 2,335 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
(3_Chlorochox)methane Chloros-Imeltylphenol (p-chloro-m-cresol) reachlorocyclopentadiene (s,6_Trichlorophenol (s,6_Trichlorophenol Chloronaphthalene methyl phhalate zenaphthylene Sumitoroluene zenaphthene Librorophenol Nitrophenol Libroroph			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 153 5 100 NA 2,475 NA 2,475 NA 2,475 NA 85 655 2,335 1,590 NA NA NA NA 295 270 NA NA NA 295 1,590 NA NA NA NA NA NA NA NA NA NA
(3_Chlorochox)methane Chloros-Imethylphenol (p-chloro-m-cresol) systchlorocyclopens dene (s_Trichlorophenol (s_Trichlorophenol Chloronsphthalene methyl phhalate sensphthylene Sphintosoluene sensphthene - Dimitrosluene sensphthene - Dimitrosluene sensphthene - Dimitrosluene sensphthene - Dimitrosluene sensphthene - Dimitrosluene - Dimitrosluene - Sphintosluene - Sp			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 10 NA 155 5 100 NA 2,475 NA 990 85 635 2,335 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
(3_Chlorochoxy)methane Chloros-Imethylphenol (p-chloro-m-cresol) ratchlorocyclopenta diene (3,6_Trichlorophenol (3,5_Trichlorophenol Chloronaphthalen methyl phthalate erasphilylene Dinitrochoune erasphilene Librorophenol Nitrophenol Nitrophenol Dinitrochoune ethylphilaste Chlorophenyl-phenylether storene Dinitrochoune Elyiphilaste Chlorophenyl-phenylether storene Dinitroca-methylphenol Nitroca-methylphenol Nitroca-methylphenol Nitroca-methylphenol Nitroca-methylphenol Nitroca-methylphenol Nitroca-methylphenol nitroca-methylphenol nitroca-methylphenol enanthrene diraceme ena-bunyl phthalate on-bunyl phthalate pornathene erene ylphenyl phthalate -b-bunyl phthalate -b-bunyl phthalate -b-bunyl phthalate -b-bunyl phthalate -b-bichlorobenzidine enancy (a) anthracene ytysene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 110 NA 115 5 5 100 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 1,590 NA 1,590 NA NA NA NA NA NA NA NA NA NA NA NA NA
(3_Chiorochoxy)methane Chlorro-Imelty)phenol (p-chloro-m-cresol) exachlorocyclopentadiene (5_Firichlorophenol (1_Firichlorophenol Chloronaphthalene methyl phthalate exasphithene Schmitteoluene exasphithene Dinitrochuene exasphithene Dinitrochuene exasphithene Dinitrochuene exasphithene Dinitrochuene exasphithene Dinitrochuene exityphithalate Chlorophenyl-phenylether orene Dinitrocoduene exityphithalate Chlorophenyl-phenylether orene screene hitrocodiphenyl-phenylether archicrophenol hitrocodiphenyl-mine bromophenyl-phenylether archicrophenol enanthrene thracene thracene thracene phithalate Dichlorophenol enanthrene exityphithalate Dichlorophenol enanthrene thracene phithalate Dichlorobenzidine procel phithalate Dichlorobenzidine procel janutracene prisene (2_Ethylhexyl)phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 110 NA 115 5 5 100 NA 2,475 NA 2,475 NA 4,5990 4,5900 NA NA NA NA 105 100 NA 105 100 NA 105 100 NA NA NA 105 105 NA NA 105 105 NA NA NA 105 NA NA NA NA NA NA NA NA NA NA NA NA NA
(3_Chiorochoxy)methane Chloros_methylphenol (p-chloro-m-cresol) reachlorocyclopentadiene (\$.5_Inchlorophenol Chloronaphthalene methyl phthalate casphthylene Sumitoroluene casphthene E-Dunitoroluene casphthene E-Dunitoroluene casphthene E-Dunitoroluene casphthene E-Dunitoroluene casphthene E-Dunitoroluene casphthene E-Dunitoroluene casphthene E-Dunitoroluene casphthene E-Dunitoroluene casphthene E-Dunitoroluene casphthene E-Dunitoroluene chylphthalate Chlorophenyl-phenylether coronic casphthene Chlorophenyl-phenylether coronic casphthylphenol Nitrosodiphenylamine casphthylphthylether casphthylphthylether casphthylphthylether casphthylphthylether casphthylphthylether casphtylphthylether casphtylphthylether casphtylphthylphthylether casphtylphthylph			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 110 NA 1135 5 5 100 NA 2,475 NA 2,475 NA 5635 2,335 6355 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
(3_Chloroschoxy)methane Chloros-Jmethylphenol (p-chloro-m-cresol) ratchlorocyclopentadene (3_C-Trichlorophenol (3_T-Trichlorophenol (3_T-Trichlorophenol Chloronaphthalene methyl phthalate enaphthylene 5_Dimitroclouene enaphthene 6_Dimitroclouene enaphthene en			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 110 NA 110 NA 115 5 5 100 NA 2,475 NA 2,475 NA 990 85 2,335 2,335 2,335 1,590 4,000 NA NA NA NA 105 105 NA 105 105 NA NA NA 105 105 NA NA 105 105 NA NA NA 105 NA NA NA NA NA NA NA NA NA NA NA NA NA
(3_Chloroschoxy)methane Chloros-Jmethylphenol (p-chloro-m-cresol) ratchlorocyclopentadene (3_C-Trichlorophenol (3_T-Trichlorophenol (3_T-Trichlorophenol Chloronaphthalene methyl phthalate enaphthylene 5_Dimitroclouene enaphthene 6_Dimitroclouene enaphthene en			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 10 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 6555 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
(3/2-Chloros-theoly) phenol (p-chloro-m-cresol) reachloros-ymethylphenol (p-chloro-m-cresol) reachloros-phenol (3/6-Trichlorophenol (3/			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 110 NA 115 5 5 100 NA 2,475 NA NA 990 85 2,335 2,335 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
(3/2-Chloros-theoly) phenol (p-chloro-m-cresol) reachloros-ymethylphenol (p-chloro-m-cresol) reachloros-phenol (3/6-Trichlorophenol (3/			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 10 NA 153 5 5 100 NA 2,473 NA 990 85 635 2,335 2,335 2,335 2,335 2,335 2,335 2,335 2,335 1,590 4,000 NA NA NA NA NA NA NA 105 105 105 105 105 105 105 105 105 105
(2-Chioroschoxy)methane Chloros-Imethylphenol (p-chloro-m-cresol) xschlorocyclopens diene ,5-Trichlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 116 NA 117 118 119 119 119 119 119 119 119 119 119
(2-Chloroschoxy)methane Chloros-Imethylphenol (p-chloro-m-cresol) ratchlorocyclopenta diene (3-5-Trichlorophenol (3-5-Trichlorophenol (3-5-Trichlorophenol Chloronaphthalate enaphthylene Dimitroclouene enaphthene Dimitroclouene enaphthene Dimitroclouene enaphthene Dimitroclouene enaphthene Dimitroclouene enaphthene Dimitroclouene enaphthene Dimitroclouene enaphthene Dimitroclouene enaphthene Dimitroclouene enaphthene Dimitroclouene enaphthene Endorophenyl-phenylether iorene Dimitroclouene enaphthene Endorophenyl-phenylether iorene Dimitroc-Imethylphenol Nitrocodiphenylamine iorene Dimitroc-Imethylphenol enaphthene inchlorophenol enaphthene enaphthylphenol enaphthene enaphthylphenol enaphthene enaphthylphenol enaphthene enaphthylphenol enaphthene enaphthylphenol enaphthene enaphthylphenol enaphthene enaphthylphenol enaphthylphenol enaphthene enaphthylphenol enaphthene enaphthylphenol enaphthene enaphthylphenol enap			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		133 NA 10 NA 110 NA 115 5 5 100 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 1,590 NA NA NA NA NA 100 NA NA 103 NA 104 NA NA NA NA NA NA NA NA NA NA NA NA NA

Sample ID: PAT-2-95-C-0.0 .ab ID: PAT2C0 Clutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result	Acute Water Qua Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SP/846 8270):					
folding time: 7 days to extract, 40 days to analyze	05/10/95	05/26/95	100		100
is(2-chloroethyl)ether -Chlorophenol			100		30,000 360
3-Dichlorobenzene 4-Dichlorobenzene			100		345
4-Dichlorobenzene 2-Dichlorobenzene			100		730 820
-Methylphenol		<u> </u>	100		NA
is(2-chloroisopropyl)ether			100		4,545 NA
Methylphenol -Nitroso-di-n-propylamine		 	100		l ÑÃ
exachloroethane			100		60
itrobenzene ophorone			100	47	4,040 10,400
Nimonhanol			100		8,000
4-Dimethylphenol			100	6.7	1,685
4-Dinethylphenol 4-Dichlorophenol 2,4-Trichlorobenzene			100		130
aphthalene Chloroaniline			100	· · · · · · · · · · · · · · · · · · ·	135 NA
exachlorobutadiene		 ;	100		10
s(2-Chloroethoxy)methane			100		155
Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene	 		100		133
4.6-Trichlorophenol			100		3
4.5-Trichlorophenol Chloronaphthalene		ļ	30U 10U		J00 NA
methyl phthalata			100		2,475
cenaphthylene			10U 10U		990
6-Dinitrosoluene cenaphthène			100		83
4-Dinitrophenol			300		655
Nitrophenol 4-Dinitrotoluene		 	50U 10U		2,333 1,390
ethylphthalate			100	3 J	4,000
Chlorophenyl-phenylether uorene			100		NA NA
5-Dinitro-2-methylphenol			500		NA.
Nitrosodiphenylamine			100		295 270
Bromophenyl-phenylether xachlorobenzene			100		NA
ntachlorophenol			SOU		e (1.005(pH)-4,83
enanthrene nthracene			100		- NA
-n-butyl phthalate			100		103
uoranthene			10U 10U		200 NA
rene nylbenzyl phthalate			100		140
3'-Dichlorobenzidine			200		NA 0,5
nzo(a)anthracena			100		NA NA
rysene s(2-Ethylhexyl)phthalate			100	18	NA
-n-octyl phthalate nzo(b)fluoranthene			100		IOO NA
nzo(k)fluoranthene			100		NA
nzo(s)pyrene (BsP) deno(1,2,3-cd)pyrene			100		NA NA
benz(a,h)anthracene			100		NA
nzo(g,h.i)perylene nitrosodimethylamine			10U 100U		NA 17,100
nzidine			1000		295
2-Diphenyl-n-hydrazine nzyl Alcohol			160U 16U		IS NA
IZYI AICOROI					- PA
STICIDES/PCBS (SW846 8080) olding time: 7 days to extract, 40 days to analyze oha-BHC	05/10/95	05/13/95			
ha-BHC n-BHC			0.05U 0.03U		NA NA
ta-BHC			0.050		NA
nma-BHC (Lindane)			0.03U 0.03U		0.26
plachlor Irin			0.05U		1.5
ptachlor Epoxide			0.03U 0.03U		0.5 0.11
iosulfan I Idrin			0.100		1.25
-DDE			0,100		0,55
irin Iosulfan II	+		0.09U 0.10U		0.09
-DDD (p,p'-TDE)			0.100		0.55
osulfan Sulfate -DDT	1		0.100		0.11 0.53
hoxychlor	<u></u>		0.500		NA.
rin Ketone			0.10U 0.10U		NA NA /
rin Aldehyde 1a-Chlordane		+	0.03U		1.2
una-Chlordane			0.03U		1.2
ex aphene	+ +		0.10U 1.00U		NA 0.37
clor-1016			0.50U		
clor-1221 clor-1232			0.50U 0.50U		2 2
clor-1242			0.50U		2
clor-1248 clor-1254			0.30U 0.30U		2
clor-1254	<u> </u>		0.300		2
SOLYED PESTICIDES/PCBS (SW846 8080) ding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95			
a-BHC			0.05U 0.05U		NA NA
-BHC BHC		 }-	0.050		NA NA
ma-BHC (Lindane)			0.03Ú 0.03Ú		0.26
to the control of the state of					
tachlor			0.05U		1.5
uma-BHL (Lincaine) sischlor siachlor Epoxide orulfan)					

ample ID: PAT-2-95-C-0.0 ab ID: PAT2C0 lutriate Prep Date: 05/08/95			Method Detection Limit	Result	Acute Water Qua Criteria
TODE	Date Extracted	Date Analyzed	ne/t. 0.100	ne/L	0.33 0.33
drin			0.09U	 	0.09
dosulfan II			0.10U		0.11
P-DDD (p.g-TDE) dosulfan Sulfate			0.10U 0.10U		0.55
dosullan Sullate	 	 	0.100	 -	0.33
ethoxychlor			0.500		NA
dnin Ketone	Ţ		0.10U 0.10U		NA NA
drin Aldehyde ha-Chlordane	+		0.030	 	1.2
mma-Chlordane	 	 	0.05U		1.2
rex			0.10U		NA NA
xaphene			1.00U 0.50U	ļ	0.37
oclor-1016	 		0.300		2
oclor-1221 oclor-1232	 		0.300	 	2
octor-1242	 		0.500		2
oclor-1248			0.50U 0.50U	ļ	2
oclor-1254 oclor-1260			0.300	 	
00101-1200	 		7.50		
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):					
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/21/95		1	
rathion	1 031033	0,721,77	1.00		0.065
lorpynios	1		1.00		0.083
				ļ	
SS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140)	al	l			
lding time: 7 days to extract, 40 days to analyze	05/10/95	05/23/95_	1.00	<u> </u>	0.065
rathion Jerpyrifos	 		1.00	 	0.083
out/191100					
COHOLS/ALDEHYDES (SW846 Modified 8015):					
olding time: None	1 -	05/11/95		1	
	 		50000	T	2180
rmaldehyde Propanol	 	├	3000U		227,750
торало			3000U	ļ	443,165
SS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	Į.			i	
lding time: None		05/11/95	50000	ļ	2180
rmaldehyde Topanol	 		30000	 	227,750
ropanol	 		30000	 	443,163
7074101	1				
ORGANICS - TOTAL METALS (SW846 6000/7000);	50/17/95	05/19/95			
Iding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
uninum	an excepting	an tacaping	43.8U	21,500	730
umony			3.60	4.1 BN	88
senic	=		1.60	17.2 N	360
num	 		7.9U 0.20U	293 0.91 B	20,500 NA
ryllium ron	 		34.90	39.2 B	8030
dmium	 		0,300	The same 4.1 Box	1.79
romium III			10	131	984.32
balt	 		2.1U 0.9U	21.9 B	95 9.22
pper d	 		2.10	173	33.78
гсшу	05/24/95	05/31/95	0.200	0.42 *	2.4
kel			3.80	44.2	789.01
enium			2.1U 0.60U	3.4 BN 7.2 DN	20 0,92
ver	 		3.4U	- ASSESSED 1, 4 DIN	65
allium nadium	1	· · · · · · · · · · · · · · · · · · ·	1.20	61.7	313
ic			2.10	612 N*	65.04
				ļ <u></u>	
ORGANICS - DISS. METALS (SW846 6000/7000);	05/17/95	05/25/95		1	
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
រាណ់ហា			43.8U	697 EN•	750 88
enic	 		3.6U 1.6U	2.3 B	360
ium	1		7.90	304	20,500
yllium			0,20U		NA.
on	ļ		34.9U	160	8050 1.79
Inium omium III	 	 	0,300	 	984.32
omium 111	1		2.10		95
pper			0.9U	72.0 N	9.22
d	05/24/95	05/31/95	2.1U 0.20U	6.3 N°	33.78 2.4
cury kel	UNZ4193	C (11 C 14 D	3,80	 	789.01
enium	 		2.10		20
্বে			0.600	0.60 UN	0.92 65
llium	 		3.4U 1.2U	4.6 B	515
adium	 		2.10	82.9 EN•	65.04
ORGANICS - OTHER (Results in me/L);				- - T	
oride	<u> </u>	05/22/95	1U	15	86,000
omium VI		05/09/95, 05/10/	0.010		NA 22
nide	 	05/11/95	0.01U 0.1U	<u> </u>	22
al Residual Chlorine al Suspended Solids	 	05/12/95	10	1300	NA NA
a purposate doub					
				1	
S INDREADICS - OTHER DEMONSTRATION OF THE		05/22/95	10	15	86,000
S. INORGANICS - OTHER Results in me/Lit.		03/2/273			
oride omium VI		05/09/95, 05/10/	0.01U		NA 22
oride		05/09/95, 05/10/ 05/11/95, 05/22/9 05/09/95, 05/10/ 05/12/95			NA 22 19

Definitions:

NA - Not Available

10g/L - micrograms per Liter, parts per billion

10g/L - miligrams per Liter, parts per million

10g/L - Miligrams per Liter, parts per million

10g/L - Didetected

10g/L - Endingsted value

10g/L - Detected in laboratory blank (organies), Reported value less than Contract Required DL

10g/L - Didetected in laboratory blank (organies), Reported value less than Contract Required DL

20g/L - Didetected in Laboratory blank (organies)

20g/L - Didetected analysis not within control limits

10g/L - Ertimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: PAT-2-95-C-0.0-D Lab ID: PAT2 CD Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quality Criteria ug/L
OLATILE ORGANICS (SW846 8240):					
lolding time: 14 days		5/13/95	100	68	446,000
Acetone Acrolein		 	100U		435
(cry lonitrile			1000		645
denzene Bromodichloromethane			100	 	NA.
romoform			100		1825
Promomethane -Butanone (MEK)			100	+	NA 161,000
arbon Tetrachloride			100	1	2780
-Chloroethylvinylether			100		17,500
hlorobenzene hloroethane	·		100	 	NA NA
hloroform			100		1945
hloromethane 2-Dichloropropane		ļ	100	 	NA 10,825
1-Dichlomethane			100		NA.
,2-Dichloroethane ,1-Dichloroethene ibromochloromethane			100		15,440 7460
hipromochloromethane			100	 	6730
,Z-trans Dichloroethylene			100	T	1000
u-1,2-Dichloroethene u-1,3-Dichloropropene			100		303
ans-1,3-Dichloropropene			100		2900
thylbenzene			100		21,400 26,000
-Hexanone -Methyl-2-Pentanone (MIBK)			100	 	11,840
fethylene Chlonde			100	3 JB	NA NA
hyrene etrachloroethylene			100	 	695
1.1.2-Tetrachloroethane			100		NA.
1,2,2-Tetrachloroethane			100		1040
oluene I.1-Trichloroethane		 	100	 	3025
1,2-Trichloroethane			100		3390
richloroethene (TCE) inyl Chloride		 	100	}	2250 NA
ylenes (Total)			100		1055
EMIVOLATILE ORGANICS (SW846 8270):	05/11/95	05/21/95		1	1
olding time: 7 days to extract, 40 days to analyze	כמוועט	03/21/93	100	 	100
s(2-chloroethyl)ether			100		30,000
Chlorophenol 3-Dichlorobenzene			100		360 345
4-Dichlorobenzene 2-Dichlorobenzene			100	İ	730
2-Dichlorobenzene Methylphenol			100	ļ	820 NA
s(2-chloroisopropyl)ether			100	 	4,543
Methylphenol			100	17	NA.
-Nirroso-di-n-propylamine exachloroethane		<u> </u>	100	 	NA 60
trobenzene			100		4,040
ophorone Nitrophenol			100	 	10,400 8,000
4-Dimethylphenol			100		- 6660
4-Dichlor-phenoi			100		1,685
2,4-Trichtorobenzene aphthalene			100		130
Chlorospiline			100		NA NA
exachlorobutadiene			10U 10U		10 NA
r(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			100		133
exachlorocyclopentadiene			100		
4,6-Trichlorophenol			300		- 180
Chloronaphthalene			100		NA
methyl phthalate enaphthylene			10U 10U		2,475 NA
- Diretrotoluene			10U		990
enaphthene I-Dinitrophenol			10U 30U		85 655
Nitrophenol					2,335
			SOU		
-Dinitrotoluene			300		1,390
ethylphthalate			100		4,000
-Dinivotoluene ethylphthalate -Didrophenyl-phenylether oorene			100 100 100 100		4,000 NA NA
ethylphthalate Chlorophenyl-phenylether orene - Dinitro-2-methylphenoi			100 100 100 100 500		4,000 NA NA NA
ethylphtulatue Chlorophenyl-phenylether sorene - Duttor-2-methylphenol Nitrosodiphenylamine			100 100 100 100 500 100		4,000 NA NA NA NA 293
ethylphtulatæ Dulorophenyl-phenylether Dorrene Duloro-2-methylphenol Nirosodiphenylamine Bromophenyl-phenylether Bromophenyl-phenylether Bromophenyl-phenylether Brownerene			10U 10U 10U 10U 50U 10U 10U		4,000 NA NA NA 295 270 NA
chylphlulatac Chlorophenyl-phenylether osorene - Duitro-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether aschlorobenzene taschlorobenzene			10U 10U 10U 10U 50U 10U 10U 10U 50U		4,000 NA NA NA 293 270
ethylphtulatæ Dulorophenyl-phenylether Dorrene Duloro-2-methylphenol Nirosodiphenylamine Bromophenyl-phenylether Bromophenyl-phenylether Bromophenyl-phenylether Brownerene			100 100 100 100 100 500 100 100 100 500 100		4,000 NA NA NA NA 295 270 NA e (1.005(pH)-4,830) 3
chylphthalate Chlorophenyl-phenylether oorene - Diruiro-2-methylphenol Nitrorodiphenylamine lownophenyl-phenylether stehlorobenzene tachlorophenol enanthene thracene - buryl phthalate			10U 10U 10U 10U 50U 10U 10U 10U 10U 10U		4,000 NA NA NA 295 270 NA e(1.005(pH)-4,830) S NA 105
chylphthalate Chlorophenyl-phenylether Dinitro-2-methylphenol Nitrosodiphenylamine sromophenyl-phenylether aschlorobenzeze taschlorophenol enanthrene thracene a-buryl phthalate oranthene			10U 10U 10U 10U 50U 10U 10U 10U 50U 10U 10U 10U		4,000 NA NA NA 295 270 NA e(1.003(pH)-4,830) S NA 105 200
chylphtalate Chlorophenyl-phenylether sorene - Diutro-2-methylphenol Nitrosodiphenylamine Sromophenyl-phenylether sachlorobenzene taschlorobenzene taschlorobenzene taschlorophenol enanthene thriscene n-butyl phthalate oranitene tree			100 100 100 100 100 500 100 100 500 100 1		4,000 NA NA NA 295 270 NA e (1.005(pH)-4,830) NA 105
chylphthalate Chlorophenyl-phenylether oorene - Duttor-2-methylphenol Nitrosodiphenylamine romophenyl-phenylether zachlorobenzene tachlorophenol tannthene thracene n-buryl phthalate oorunhene ene tylbenzyl phthalate other che ylbenzyl phthalate other che ylbenzyl phthalate other che ylbenzyl phthalate other che ylbenzyl phthalate			10U 10U 10U 10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		4,000 NA NA NA 295 270 NA e(1.005(pH)-4,830) S NA 105 200 NA 140
chylphthalate Chlorophenyl-phenylether ocenie - Dirutro-2-methylphenol Nitrosodiphenylamine sromophenyl-phenylether stechlorobenzene tachlorophenol enanthene ithracene - n-buryl phithalate orranthene ene ylbenzyl phithalate - Dichlorobenzidine zos() abnthracene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,000 NA NA NA NA 293 270 NA e(1.003(pH)-4,830) 3 NA 103 200 NA 140 NA
chylphthalate Chlorophenyl-phenylether ocenie - Dirutro-2-methylphenol Nitrosodiphenylamine sromophenyl-phenylether stechlorobenzeme tachlorophenol enanthene thracene - n-buryl phthalate ornnthene enterplace typenzyl phthalate - Dichlorobenzidine type(3-Euvilheneyl)phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,000 NA NA NA NA 293 270 NA e(1.003(pH)-4,830) S NA 103 200 NA 140 NA 140 NA
chylphthalate Chlorophenyl-phenylether ocenie - Dirutro-2-methylphenol Nitrosodiphenylamine sromophenyl-phenylether stechlorobenzeme tachlorophenol enanthene thracene - n-buryl phthalate ornnthene enterplace typenzyl phthalate - Dichlorobenzidine type(3-Euvilheneyl)phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,000 NA NA NA NA 295 270 NA e(1.005(pH)-4,830) S NA 105 200 NA 140 NA 0,5 NA NA
chylphthalate Dhorophenyl-phenylether Dorrine Dinitro-2-methylphenol Nitrosodiphenylamine stronophenyl-phenylether stechlorophenol enanthrene thischlorophenol enanthrene thracene a-buryl phthalate orunthene enne ylibensyl phthalate 'Dichlorobenzadine tzof() lamburacene yesee (2- Ethylhesyl)phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,000 NA NA NA NA 293 270 NA e(1.003(pH)-4,830) S NA 103 200 NA 140 NA 140 NA
chylphthalate Dhorophenyl-phenylether Dorrine Dinitro-2-methylphenol Nitrosodiphenylamine stronophenyl-phenylether stechlorophenol enanthrene thischlorophenol enanthrene thracene a-buryl phthalate orunthene enne ylibensyl phthalate 'Dichlorobenzadine tzof() lamburacene yesee (2- Ethylhesyl)phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate nocyl phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,000 NA NA NA NA NA 295 270 NA e(1.005(pH)-4,830) S NA 105 200 NA 140 NA 140 NA NA NA NA NA NA
chylphthalate Dhorophenyl-phenylether Dorrine Dinitro-2-methylphenol Nitrosodiphenylamine stronophenyl-phenylether stechlorophenol enanthrene thischlorophenol enanthrene thracene a-buryl phthalate orunkine ene ene ylibensyl phthalate 'Dichlorobenzadine tzzo(1)anthracene yesee (2-Ethylnesyl)phthalate nocyt) phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,000 NA NA NA NA NA NA NA NA NA NA (1,003(pH)-4,830) NA 100 0,0 NA 140 NA 100 NA NA NA NA NA
chylphthalate Dhorophenyl-phenylether ocerne Dirutro-2-methylphenol Nirosodiphenylamine riromophenyl-phenylether stechlorophenol enanthene thischerophenol enanthene thischer thischerophenol enanthene thischer thischerophenol enanthene ene yitensyl phthalate -thichlorobenzidine two(a)anthene (2-Envilvesyl)phthalate -to-cyl phthalate -to-cyl phthalate (2-Envilvesyl)phthalate -to-cyl phthal			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,000 NA NA NA NA NA NA NA NA NA NA (1,003(pH)-4,830) NA (1005 005 NA NA NA NA NA NA NA NA NA
chylphthalate Dhorophenyl-phenylether ocerne Dirutro-2-methylphenol Nirosodiphenylamine riromophenyl-phenylether stechlorophenol enanthene thischerophenol enanthene thischer thischerophenol enanthene thischer thischerophenol enanthene ene yitensyl phthalate -thichlorobenzidine two(a)anthene (2-Envilvesyl)phthalate -to-cyl phthalate -to-cyl phthalate (2-Envilvesyl)phthalate -to-cyl phthal			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,000 NA NA NA NA NA 295 270 NA (1.003(pH)-4,830) S NA 103 200 NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA
chylphthalate Donor- Do			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,000 NA NA NA NA NA NA NA NA NA NA (1,003(pH)-4,830) NA (1005 005 NA NA NA NA NA NA NA NA NA

ample ID: PAT-2-95-C-0.0-D ab ID: PAT2CD lutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Qual Criteria ug/L
SS. SEMIVOLATILE ORGANICS (SW846 8270):			SFAD	257B	
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95_	100		100
(2-chloroethyl)ether			100		30,000
Chlorophenol 3-Dichlorobenzene			100		560 345
L-Dichlorobenzene			100		730 820
2-Dichlorobenzene Methylphenol			100		NA.
X2-chloroisopropyl)ether	- 		100		4,545
Methylphenol			10U 10U	2 J	NA NA
Nitroso-di-n-propylamine			100		60
trobenzene			100		4,040
phorone Nitrophenol			10U	3 7	30,400 8,000
-Dimethylphenol			100	3.1	660
l-Dichlorophenol			16U		1,685
,4-Trichlorobenzene phthalene		 	100		133
hioroaniline			100		NA.
nachlorobutadiene (2-Chloroethoxy)methane			100		IO NA
Aloro-3-methylphenol (p-chloro-m-cresol)			100		133
nachlorocyclopentadiene			100		3
I,6-Trichlorophenol	 		300		100
Chloronaphthalene			100		NA
methyl phthalate			100		2,475 NA
enaphthylene - Dinitrotoluene			100		990
enaphthene		,	10U 30U		85
- Dinirophenol Nirophenol			300		655 2,335
-Divitrotoluene			10U		1,390
ethylphthalate	_		100	37	4,000 NA
Diorophenyl-phenylether porene	- 		100		NA
-Dinitro-2-methylphenol			30U		NA 293
Nitrosodiphenylamine Bromophenyl-phenylether			10U 10U	 	270
zachlorobenzene			100		NA
ntachlorophenol			SOU		e (1.005(pH)-4,83
enanthrene thracene			16U 16U		NĀ.
n-butyl phthalate			100		103
oranthene			100		200 NA
rene rylbenzyl phthalate	 		100		148-
-Dichlorobenzidine			200		NA
nzo(a)anthracene			10		0.5 NA
rysene (2-Ethylhexyl phthalate			100	32	NA
n-octyl phthalate			10U 10U		IOO NA
nzo(b)Duoranthene nzo(b)Duoranthene			100		NA NA
nzo(a)pyrene (BaP)			100		NA
eno(1,2,3-cd)pyrene penz(a,h)anthracene			100		NA NA
nzo(g,h,i)perylene			100		NA
nitrosodimethylamine			100U		17,100 293
nzidine - Diphenyl-n-hydrazine			1000		13
izyl Alcohol			100		NA.
STICIDES/PCBS (SW846 8080)	257000	257275			
lding time: 7 days to extract, 49 days to analyze	05/10/95	05/13/95	0.0SU		NA.
a-BHC a-BHC			0.05U		NA NA
nna-BHC (Lindane)			0.030		<u></u>
ouchlor			0.05U		0,26
rin otachlor Epoxide			0.05U 0.05U		1,5 0.5
osulfan I			0.030		0.11
drin			0.10U 0.10U		1.25 0.55
DDE rm			0.09U		0.09
oralian II			0.100		0.11
DDD (p.p'-TDE) osulfan Sulfate			0.10U 0.10U		0.55
DDT			0.10U		0.33
hoxychlor			0.50U 0.10U		NA_ NA
rin Ketone rin Aldehyde	- 		0.100		NA
a-Chlordane			0.03U		1.2
ma-Chlordane			0.05U 0.10U		1.2 NA
sphene			1.00U		0.37
clor-1016			0.50U 0.50U		2 2
dor-1221 dor-1232			0.300		
clor-1242			0.50U		2
clor-1248 clor-1254			0.50U 0.50U		2
clor-1254 clor-1260	- 		0.30U		
SOLVED PESTICIDES/PCBS (SW846 8080)				ŀ	
ding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95	0.05U		NA
BHC			0.030		NA.
-BHC ma-BHC (Lindane)			0.05U 0.05U		NA I
ms-BHC (Lincane)			0.03U		0.26
			0.030		1.3
ທ				+	
			0.03U 0.03U		0.3

Sample ID: PAT-2-95-C-0.0-D Lab ID: PAT2CD Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ng/L	Result	Acute Water Qual Criteria ve/L
4X-DDE			0.100		0.53
Endrin Endosulfan II		· 	0.09U		0.09
4,4'-DDD (p,p'-TDE)			0.10U		0.55 0.11
Endosulfan Sulfate 4.4'-DDT		ļ	0.100		0.11
Methoxychlor		1	0.300		NA
Endrin Ketone			0.100		NA NA
Endrin Aldehyde alpha-Chlordane	 	 	0.10U 0.0SU		1.2
gamma-Chlordane			0.030		1.2
Mirex Toxaphene	.	 	0.10U 1.00U		0.37
Aroclor-1016	 	 	0.500		2
Aroclor-1221			0.500		2
Aroclor-1232 Aroclor-1242	-	 	0.50U 0.50U	 	
Arocior-1248			0.50U		2
Arocler-1234			0.50U 0.50U		2 2
Aroclor-1260			0.300		
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140): Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/21/95			
Parattion			1.00		0.065
Chlorpynios	 	 	1.00		0.003
DISS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140 Holding time: 7 days to extract, 40 days to analyze Faratrion	05/10/95	05/23/95	1.00		0.065
Paraution Chlorpyrifos	+	 	1.00		0.083
ALCOHOLS/ALDEHYDES (STYB46 Modified B015):]	i	i :	
Holding time: None		05/11/95			<u> </u>
Formaldehyde			5000U		2180
-Propanol P-Propanol	 	 	5000U 5000U		227,750 443,165
			3000		445,105
DISS, ALCOHOLS/ALDEHYDES (SW846 Modified 8015):					
folding time: None	<u> </u>	05/11/95			
ormaldehyde -Propanol	 		5000U		2180 227,750
-Propanol			3000U		443,165
NORGANICS - TOTAL METALS (SW846 6000/7000):	05/17/95	05/19/95			
folding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
			43.8U	40,800 7.0 BN	750 88
Inamony Usenic	· · · · · · · · · · · · · · · · · · ·		3.6U 1.6U	28.9 N	360
Sanium			7.90	488	20,500
Seryilium			0.20U 34.9U	1.3 B 177	NA 8030
loron Admium	 		0.300	₩.b.# ₩. 3.9 % n≥.	1.79
Эгония III			IU IU	206	984.32
obalt	T		2,1U 0.9U	37.7 B	95 9.22
opper ead	 		2.10	200 °	33.78
lerany	03/24/95	05/31/95	0.200	0.69 *	2.4
ickel			3.80	73.1 6.1 N	789.01
elenium Iver			2.1U 0.60U	6.6 BN	20 0.92
hallium			3.40		65
anadium			1.2U 2.1U	107 883 N*	513 65.04
inc	 	 	2.10	######################################	05.04
NORGANICS - DISS, METALS (SW846 6000/7000); olding time: 6 mo. (28 days Hg)	05/17/95 all except Hg	05/25/95 all except Hg			
luminum numony	ļ		43.8U 3.6U	442 EN*	750 88
nt mony	 		1.60		360
unum			7.90	107 B	20,500
ryllium oron			0.20U 34.9U	62.2 B	NA 8050
dnium			0.30U	72.2	1.79
romium III			10		984.32
pper	 		2.1U 0.9U	933 N	95 9,22
ad			2.10	6.0 N°	33.78
ercury	05/24/95	05/31/93	0.20U		2.4 789.01
ckel Jenium	 		3.8U 2.1U		789.01 20
ver			0.60U	0.60 UN	0.92
altium unadium	 		3.4U 1.2U	2.1 B	65 315
nc			2.10	39.0 EN*	63.04
ORGANICS - OTHER (Results in mg/L):	1 . 1	05000-		.,	0.6.000
loride romium VI		05/22/95 05/09/95, 05/10/	0.010	14	86,000 NA
anide		05/11/95	0.01U		22
		05/09/95, 05/10/	0.10		19
tal Suspended Solids	 	05/12/95	10	1140	NA
	 				
SS INORGANICS - OTHER Chambe in med >-					86,000
ISS. MORGANICS - OTHER (Results in mc/L):		05/22/95	IU	14	
londe romium VI		05/09/93, 05/10/	0.010	14	NA .
		05/22/95 05/09/95, 05/10/ 05/11/95, 05/22/9 05/09/95, 05/10		14	

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics). Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

omple ID: PAT-2-95-C-6.8 ab ID: PAT2C6 lutriate Prep Date: 05/08/95	Date Extracted	Date Analyzad	Method Detection Limit ue/L	Result	Arute Water Qua Criteria ug/L
OLATILE ORGANICS (SW846 8240);	Date Extracted	LIZATE KIRATURA	9,2	VI. N	3,72
olding time: 14 days		5/13/95	}		
cetone			100	68	446,000
crolein			1000		455 545
crylonurile enzene	 _	 	1000		540
omodichloromethane			100		NA
omoform			100		1825
omomethane			100		NA 161,000
Butanone (MEK)		ļ	U0I		2780
arbon Tetrachloride Chloroethylvinylether			100		17,500
dorobenzene	 		100		1180
doroethane			100		NA.
nloro form			100		1943
doromethane			100		NA 10,825
2-Dichloropropane 1-Dichloroethane			180		NA NA
2-Dichloroethane			100		15,440
I-Dichloroethene			100		7460
bromochloromethane			100		6750
I-trans Dichloroethylene			10U		1000
-1,2-Dichloroethene -1,3-Dichloropropene			100		303
ns-1,3-Dichloropropene		 	100		2900
hylbenzene			100		21,400
Hexanone			160		26,000
Methyl-2-Pentanone (MIBK)			100	3 JB	11,840 NA
rihylene Chlonde	 		100	2 18	693
trachloroethylene			100		1040
,1,2-Tetrachloroethane			100		NA.
,2,2-Tetrachloroethane			100		1040
luene		I	100		1630 3025
,1-Trichloroethane		ļ	100		3025
,2-Trichloroethane chloroethene (TCE)		 	100		2250
nyl Chloride			iõŭ		NA
lenes (Total)			100		1033
MIVOLATILE ORGANICS (SW846 8270):		060106			
lding time: 7 days to extract, 40 days to analyze	05/11/95	05/21/95	160		100
(2-chloroethyl)ether			IOU		30,000
Morophenol			100		360
-Dichlorobenzene			100		345
-Dichlorobenzene			100		730
-Dichlorobenzene			100		820 NA
dethylphenol (2-chloroisopropyl)ether			iõu		4,343
lethylphenol			100		NA NA
Nitroso-di-n-propylamine			100		NA NA
xachloroethane			100		60 4,040
phorone		·	100		10,400
ilrophenoi			100		8,000
-Dimethylphenol			100	2.7	660
-Dichlorophenol			10U		1,685
4-Trichlorobenzene			100		130
hthalene Noroaniline					
rachiorobutadiene			100		NA
achlorobutadiene					
cachlorobutadiene 2-Chloroethoxy)methane hloro-3-methylphenol (p-chloro-m-cresol)			10U 10U 10U 10U		NA 10 NA 133
uchlorobutsdiene 2-Chloroethoxy)methane hloro-3-methylphenol (p-chloro-m-cresol) uchlorocyclopentadume			10U 10U 10U 10U 10U		NA 10 NA 133
ueblorobuisdene 2. Chloroethoxymethane Moro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopenisdiene 6. Trollorophenol			10U 10U 10U 10U 10U 10U		NA 10 NA 133 3
uchlorobuidene 2-Chloroethoxylmethane Noro-3-methylphenol (p-chloro-m-cresol) uchlorocyclopenudiene 6-Trichlorophenol 3-Trichlorophenol			10U 10U 10U 10U 10U 10U 30U		NA 10 NA 135 3 5
achlorobutadiene 2-Chlorosthoxy methane Nloro-3-methylphenol (p-chloro-m-cresol) achlorocyclopentadiene 6- Trichlorophenol 5- Trichlorophenol 1- Trichlorophenol Noronaphthalene			10U 10U 10U 10U 10U 10U		NA 10 NA 133 3
uchlorobuidene 2-Chloroethoxymethane hloro-3-methylphenol (p-chloro-m-cresol) uchlorocyclopentadiene 6-Trichlorophenol 5-Trichlorophenol hloronaphthulene teityl phihalate			16U 16U 10U 16U 16U 16U 50U 10U 10U		NA 10 NA 135 5 5 100 NA 2,475 NA
achlorobuisdiene 2. Chlorosthoxy methane Nloro-3-methylphenol (p-chloro-m-cresol) achlorocyclopenisdiene 6- Trichlorophenol 5- Trichlorophenol hloronaphthalene achlyl phinlate naphtylene Dinitrotoluene			10U 10U 10U 10U 10U 10U 50U 10U 10U 10U		NA 10 NA 135 5 5 100 NA 2,475 NA 990
achlorobuisdiene 2-Chloroethoxy/methane hloro-3-methylphenol (p-chloro-m-cresol) achlorocyclopenisdiene 6-Troihorophenol 5-Trichlorophenol hloronaphthalene teltyl phulalse naphthylene Dinivotoluene naphthene			10U 10U 10U 10U 10U 10U 50U 10U 10U 10U 10U		NA 10 NA 155 5 100 NA 2,475 NA 990 85
achlorobuidiene 2. Chlorosthoxymethane hloro-3-methylphenol (p-chloro-m-cresol) achlorocyclopenadiene 6. Trichlorophenol 5. Trichlorophenol hloronaphthalene achtyl phulalate maphtylene Divirotoluene naphthene Divirotoluene naphthene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 155 5 5 100 NA 2,473 NA 990 85
achlorobuisdiene 2. Chloroethoxy methane Nloro-3-methylphenol (p-chloro-m-cresol) achlorocyclopenisdiene 6- Trollorophenol 5- Trollorophenol Nioronaphthalene sethyl phulaste naphthylene Dinitroluene naphthene Dinitroluene naphthene Dinitrophenol itrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 135 5 5 100 NA 2,473 HA 990 85 655 2,335
achlorobutadiene 2. Chlorosthoxy methane hloro-3-methylphenol (p-chloro-m-cresol) achlorocyclopentadiene 6-Trichlorophenol 5-Trichlorophenol hloronaphthalene hloronaphthalene buhyl phihalate maphthylene Duntrololuene Duntrololuene Dintrophenol birophenol Dintrololuene			10U 10U 10U 10U 10U 10U 50U 10U 10U 10U 10U 10U 10U 50U 50U		NA 10 NA 135 5 5 100 NA 2,475 NA 990 85 655 2,335
uschlorobutadiene Aloro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopentadiene 6- Trichlorophenol 5- Trichlorophenol horonaphthalene sethyl phthalate maphthylene Dinitrobluene maphthene Dinitrobluene itrophenol itrophenol itrophenol itrophenol itrophenol Dinitrobluene mythylate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 155 5 5 100 NA 2,473 HA 990 85 655 2,335
uchlorobuidiene 2. Chlorosthoxymethane hloro-3-methylphenol (p-chloro-m-cresol) uchlorocyclopenidiene 6. Tinchlorophenol 5. Tinchlorophenol hloronaphthalene nethyl phthalate maphthylene Dinitroshume Dinitroshume Dinitroshume Dinitroshume Dinitroshume Dinitroshume Horophenol Dinitroshume Horophenol Dinitroshume Horophenol Dinitroshume Horophenyl-phenylether Horophenyl-phenylether Horophenyl-phenylether			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 135 3 5 100 NA 2,473 NA 990 85 655 2,335 1,590 4,000 NA
uchlorobutadiene Alchorostory methane Noro-3-methylphenol (p-chloro-m-cresol) uchlorocyclopentadiene 6-Trichlorophenol 5-Trichlorophenol horonaphthulene nethyl phihalate maphthylene Dinitrotoluene maphthylene Dinitrotoluene Dinitrophenol horophenol Dinitrophenol Dinitrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 135 5 5 100 NA 2,473 NA 990 85 655 2,335 1,390 4,000 NA NA
achlorobuiadiene 2. Chlorosthoxymethane hloro-3-methylphenol (p-chloro-m-cresol) achlorocyclopentadiene 6. Tinchlorophenol 5. Tinchlorophenol hloronaphthalene hloronaphthalene ethyl phthalate maphthylene Dinitrosluene naphthene Dinitrosluene naphthene Dinitrosluene naphthene Dinitrosluene naphthene Dinitrosluene hlylphthalate hlorophenol hrylphthalate hlorophenyl-phenylether wene Dinitroslouene hlorophenyl-phenylether wene Dinitroslouene hlorophenyl-phenylether wene Dinitroslouene hlorophenyl-phenylether wene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 155 5 5 5 100 NA 2,475 NA 990 85 655 2,335 1,390 4,000 NA NA NA NA NA NA NA 295
uschlorobutadiene Alchorostony methane Noros 3-methylphenol (p-chloro-m-cresol) uschlorosyclopentadiene 6-Trichlorophenol 5-Trichlorophenol Noronaphthulene uschlyrophenol hioronaphthulene buhivoluene naphthylene Dinitrotoluene naphthylene Dinitrotoluene itrophenol itrophenol itrophenol Dinitrosluene mylphinalate hylphinalate hylphinalate hylphinalate buylphinalat			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 115 15 15 15 100 NA 12,473 NA 14A 190 85 655 2,335 1,590 4,000 NA NA NA NA NA 2275
achtorobutadiene 2. Chlorosthoxymethane hloro-3-methylphenol (p-chloro-m-cresol) section of the chlorosthocyclopentadiene 6. Inchlorophenol 5. Inchlorophenol hloronaphthalene sethyl phuhalate maphthylene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene mylphinalate hlorophenyl-phenylether orene Dinitro-2-methylphenol itrosodiphenylamine omophenyl-phenylether schlorobenzene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 155 5 5 100 NA 2,473 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
uchlorobuidiene 2. Chlorosthoxymethane hloro-3-methylphenol (p-chloro-m-cresol) uchlorocyclopendiene 6. Tinchlorophenol 5. Tinchlorophenol hloronaphthalene nethyl phulalæ nuphtylene Dinitrotoluene nuphthene Dinitrotoluene nuphthene Dinitrotoluene nuphthene Dinitrotoluene nuphthene Dinitrotoluene nuphthene Dinitrotoluene nuphthene Dinitrotoluene nuphthene Dinitrotoluene nuphthene Dinitrotoluene nuphthene Dinitrotoluene nuphthene Dinitrotoluene nuphthene litrotoluene nuphthene nuphthene litrotoluene nuphthene uchlorophenyl-phenylether schlorobenzene uchlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 155 5 5 100 NA 2,473 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 295 270 NA
uschlorobuisdiene 2. Chlorosthoxymethane hloro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopenisdiene 6. Tinchlorophenol 5. Tinchlorophenol hloronaphthalene nethyl phthalate maphthylene Dinitrothuene naphthene Dinitrothuene naphthene Dinitrothuene horizophenol Dinitrothuene hlorophenol Dinitrothuene hlorophenol Dinitrothuene hlorophenyl-phenylether orene Dinitro-2-methylphenol bitrosodiphenylamine romophenyl-phenylether schlorobenzene achlorophenol matheree harcene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 10 10 10 10 10 10 10 10 10 10 10
achlorobusdiene Alchorostory methane Noro-3-methylphenol (p-chloro-m-cresol) achlorocyclopentadiene 6-Trichlorophenol 5-Trichlorophenol horonaphthalene nethyl phihalate maphthylene Dinitrotoluene maphthylene Dinitrotoluene Dinitrotoluene Dinitrophenol horophenyl-phenyletter horophenyl-phenyletter nene Dinitro-2-methylphenol horophenyl-phenyletter nene Dinitro-2-methylphenol horophenyl-phenyletter schloroberazene achlorophenol mathrene horophenyl-phenyletter schloroberazene achlorophenol mathrene horophenol mathrene horophenol mathrene horophenol mathrene horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol horophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 10 NA 135 5 5 1000 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
uschlorobuisdiene 2. Chlorosthoxymethane hloro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopensidene 6. Tichlorophenol 5. Tichlorophenol hloronaphthalene hloronaphthalene nethyl phthalate maphthylene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene nuphthene Dinitrotoluene tryphyleneol itrophenol Dinitrotoluene tryphylaniate hylphenol itrophenol Dinitrotoluene tryphylphenol itrophenol itrophenol Dinitrotoluene tryphylphenol itrophenol norene Dinitrot-2-methylphenol itrosodiphenylamine romophenyl-phenylether schlorobenzene tachlorobenzene tachlorophenol nanthrene hracene hoveyl phthalate romontes			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 10 11 11 13 13 15 10 100 100 100 100 100 100 100 100 1
achlorobusdiene Alchorostony methane Noro-3-methylphenol (p-chloro-m-cresol) achlorocyclopentadiene 6-Trichlorophenol 5-Trichlorophenol Moronaphithalene ethyl phihalate maphthylene Dinitrotoluene maphthylene Dinitrotoluene Dinitrophenol Dinitrophenol Dinitro-soluene mylphihalate horophenyl-phenylether strene Dinitro-3-methylphenol ditrophe			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA 100 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
uschlorobutadiene 2. Chlorosthoxymethane hloro-3-methylphenol (p-chloro-m-creso)) uschlorocyclopentadiene 6-Trichlorophenol 5-Trichlorophenol hloronaphthalene nethyl phihalate maphthylene Dunitrotoluene maphthylene Dinitrotoluene itrophenol Dinitrotoluene bylphihalate hlorophenol phihalate hlorophenyl-phenyletter orene Dinitro-2-methylphenol itrophenol phityphihalate nethylphenol phityphihalate stene Dinitro-2-methylphenol itrosodiphenyl-phenyletter orene stene Dinitro-2-methylphenol itrosodiphenylamine romophenyl-phenyletter schlorobenzene uschlorophenol manthrene hracene -betryl phthalate ranthene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 105 205 NA 1,005(pH)-4,830 NA NA NA 105 105 105 105 105 105 105 105 105 105
uschlorobutadiene Alchorostronymethane hloros.3-methylphenol (pschloro-m-stesol) uschlorosyclopentadiene (s-Trichlorophenol), Trichlorophenol hloronaphthulene nethyl phthalate maphthylene Dinitrotoluene naphthylene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene naphthene litrophenol litrophenol Dinitro-2-methylphenol sitrostoluene norene norene norene uschlorophenyl-phenylether uschlorobenzene uschlorobenzene uschlorobenzene uschlorobenzene hacherophenol nanthene hacene hacene hacene hacene hacene hacene houryl phthalate phenyl phthalate nete			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 NA 1155 5 5 100 NA 2,475 NA 990 85 655 655 2,333 1,590 NA NA NA 105 2770 NA 105 105 105 105 NA 105 105 105 NA NA NA NA NA NA NA NA NA
uschlorobutadiene Alchorostrony methane Noro-3-methylphenol (p-chloro-m-cresol) uschlorosyclopentadiene 6-Trichlorophenol 5-Trichlorophenol Microasphihulene uschyl phuhalate maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene mylphihalate holorophenyl-phenylether orene Dinitro-2-methylphenol itrosodiphenylamine romophenyl-phenylether schlorophenzene achlorophenol manthrene holorophenyl manthrene holorophenyl phuhalate Dinitro-1-methylphenol manthrene holorophenyl phuhalate Dinitro-1-methylphenol manthrene holorophenyl phuhalate Dinitro-1-methylphenol manthrene holoropheno			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 NA 135 5 5 100 NA 2,475 NA 990 95 655 655 2,335 1,590 NA NA NA NA 105 270 NA 105 105 105 NA 105 105 105 NA 140 NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA
uschlorobutadiene Alchorostory methane Altoro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopentadiene 6-Trichlorophenol 3-Trichlorophenol Micronaphthulene nethyl phihalate maphthylene Dinitrotoluene maphthylene Dinitrotoluene Dinitrotoluene Dinitrotoluene Dinitrotoluene maphthylene Dinitrotoluene Dinitrotoluene maphthylene Dinitrotoluene Microphenol Dinitrotoluene mylphihalate holorophenyl-phenylether rene Dinitro-2-methylphenol litrosodiphenyl-phenylether schlorobenzene achlorophenol mitter achlorophenol mitter achlorophenol mathtene hracene hracene whene (Abenzyl phthalate Dictlorobenzidine zodajantureene yesne zela mittereene zela gillene zela phthalate zela phthalate zela phthalate zela phthalate zela phthalate zela phtheseene yesne zela zeliylphexyl)phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 NA 10 NA 135 5 5 1000 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 105 270 NA 105 105 105 105 105 105 105 105 105 105
uschlorobutadiene 2. Chlorosthoxymethane hloro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopenadiene 6. Inchlorophenol 5. Inchlorophenol hloronaphthalene nethyl phthalate maphthylene Dinitrotoluene naphthene Dinitrotoluene naphthene Dinitrotoluene thylphthalate hloronaphthene Dinitrotoluene thylphthalate hloronaphthene Dinitrotoluene thylphthalate hlorophenol Dinitrotoluene thylphthalate hlorophenyl-phenylether torene Dinitro-2-methylphenol titrophenyl-phenylether torene Dinitro-2-methylphenol titrophenyl-phenylether torene torene burly phthalate nechlorophenol nandvene hracene uschlorobenol mandvene hracene thylphthalate blorophenol thylphthalate thorophenol thylphthalate thorophenol thylphthalate thorophenol thylphthalate thorophenol thylphthalate the thylphthalate the thylphthalate the thylphthalate the thylphenylphthalate the thylphthalate the thylphthalate the thylphthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 10 10 11 13 3 5 5 100 100 100 100 100 100 100 100 100
uschlorobutadiene Alchorostrymethane Altoro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopentadiene 6-Trichlorophenol 5-Trichlorophenol hioronaphthalene nethyl phihalate maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene hiorophenol Dinitrotoluene mylphihalate hiorophenyl-phenylether rene Dinitrotoluene hiorophenyl-phenylether rene hiorophenyl-phenylether senlorobenzene achlorophenol mitrotoluene hiorophenyl-phenylether sellorobenzene achlorophenol manthene hracene hracene cytene vanuthene me (Abenzyl phthalate Dichlorobenzidine zodajmitrosene yesne zela mitrosene yesne Z-Ebylhexyl)phthalate occyl phthalate occyl phthalate occyl phthalate occyl phthalate occyl phthalate occyl phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 NA 1155 5 5 1000 NA 12,475 NA 185 655 655 1,590 4,600 NA NA NA NA 180 180 180 180 180 180 180 180 180 180
uschlorobutadiene 2. Chlorostony methane hloro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopentadiene 6. Tichlorophenol 5. Tichlorophenol hloronaphthalene nethyl phuhalate maphthylene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene mylphdalate hlorophenol mitrophenol mitrophenol mitrophenol mitrophenyl-phenylether orene Dinitro-2-methylphenol mitrotoluene mylphdalate dichlorophenyl-phenylether schlorobenzene achlorophenol manthrene hreene hreene hreene hreene hreene hreene buryl phthalate Diehlorobenzidine zo(a) anthresene yesne 2-Einylhexyl phthalate -octyl phthalate zo(b) fluoranthene sox(b) fluoranthene sox(b) fluoranthene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 10 10 10 10 10 10 10 10 10 10 10
uschlorobutadiene Alchorostony methane Noro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopentadiene 6-Trichlorophenol 5-Trichlorophenol Moronaphthulene ethyl phuhalate maphthylene Dinitrotoluene maphthylene Dinitrotoluene Dinitrotoluene Dinitrotoluene maphthylene Dinitrotoluene Dinitrotoluene hylphohalate hylphohalate hylphohalate hylphohalate hylphohalate horophenyl-phenylether sene Dinitro-2-methylphenol hitrotoluenyl-phenylether schlorobenzene achlorophenol manthrene hracene housel phuhalate stratene debenyl phuhalate stratene glene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 NA 115 15 15 15 100 NA 12,475 NA 990 85 655 2335 1,590 4,000 NA NA NA 105 2770 NA 105 205 NA 140 140 NA 140 NA NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA
uschlorobutadiene 2. Chlorostonymethane hloro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopentadiene 6. Trichlorophenol 5. Trichlorophenol hloronaphthalene nethyl phthalate maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene maphthylene Dinitrotoluene mylphthalate hlorophenyl-phenylether orene Dinitrot-2-methylphenol hlorophenyl-phenylether schlorobenzene uschlorobenzene uschlorophenyl-phenylether schlorobenzene mandrene hracene hracene phenyl-phthalate ranthene me ylbenryl phthalate zoranthene zo(a janthracene zo(s junthracene zo(10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 10 11 11 11 15 15 15 100 100 100
uschlorobutadiene 2. Chlorostoxy methane hloro-3-methylphenol (p-chloro-m-creso)) uschlorocyclopentadiene 6-Trichlorophenol 5-Trichlorophenol hloronaphthalene nethyl phihalate maphthylene Dunitroluene maphthylene Dunitroluene maphthylene Dinitroluene hylphenol Dinitroluene hylphenol Dinitroluene hylphenol Dinitroluene hylphenol litrophenol Dinitro-2-methylphenol litrosodiphenylamine romophenyl-phenylether stene Dinitro-2-methylphenol litrosodiphenylamine romophenyl-phenylether schlorobenzene achlorophenol mathtene hracene -bousyl phthalate prantiere litrosodiphenol mathtene hracene -bousyl phthalate prantiere litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol mathtene litrolophenol litrolophen			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 100 NA 135 3 5 100 NA 137 100 NA 100 NA 100 100 NA 100 100 100 100 100 100 100 100 100 10
achlorobutadiene 2. Chlorosthoxymethane Noro-3-methylphenol (p-chloro-m-cresol) achlorosylphenol 5. Trichlorophenol 5. Trichlorophenol 6. Trichlo			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 100 NA 135 5 5 100 NA 135 5 100 NA 135 5 100 NA 136 100 NA 137 100 NA 138 1390 1390 1390 NA 1390 NA 1390 NA 1390 NA 140 NA 140 NA 140 NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA
uschlorobutadiene 2. Chlorostony methane hloro-3-methylphenol (p-chloro-m-cresol) uschlorocyclopentadiene 6. Tichlorophenol 5. Tichlorophenol hloronaphthalene nethyl phuhalate maphthylene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene maphthene Dinitrotoluene mylphdalate hlorophenol mitrophenol mitrophenol mitrophenol mitrophenyl-phenylether orene Dinitro-2-methylphenol mitrotoluene mylphdalate dichlorophenyl-phenylether schlorobenzene achlorophenol manthrene hreene hreene hreene hreene hreene hreene buryl phthalate Diehlorobenzidine zo(a) anthresene yesne 2-Einylhexyl phthalate -octyl phthalate zo(b) fluoranthene sox(b) fluoranthene sox(b) fluoranthene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 10 10 NA 135 3 5 100 NA 137 8 5 100 NA 12,475 NA 1990 85 6355 2,335 1,590 NA NA NA NA NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 105 NA 106 NA NA NA NA NA NA NA NA NA NA NA NA NA

ab ID: PAT2C6 Lutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/l,	Result	Acute Water Quality Criteria ue/L
ISS. SENIVOLATILE ORGANICS (SW846 8270): olding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95			
henol ss(2-chloroethyl)ether	031073		100		100
Chlorophenol			100		560
3-Dichlorobenzene 4-Dichlorobenzene	.		100		730
2-Dichlorobenzene			100		820
Methylphenol s(2-chloroisopropyl)ether	 		100		NA 4,545
Metrylphenol -Nicoso-di-n-propylamine			100	17	NA NA
exachloroethane			100		60
itrobenzene ophorone	 		100	2.3	4,040 10,400
Nitrophenol			100		8,000
4-Direthylphenol 4-Dichlorophenol	 		100	3.7	660 1,685
2,4-Tnchlorobenzene			100		130
aphthalene Chloroeniline	<u> </u>		100		NA.
exachlorobutadiene			100		NA
s(2-Chloroethoxy)methane Chloro-1-methylphenol (p-chloro-m-cresol)			100		155
exachlorocyclopentadiene 4,6-Inchlorophenol			100		
4.5-Trichlorophenol			30U		100
Chloronaphthalene unethyl phthalate	 		100	-	NA 2,473
cenaphthylene 6-Dautrotoluene			100 100		NA 990
cenaphthene			100		85
4-Drutrophenol Nitrophenol			50U		655 2,335
4-Dinitrotoluene			100		1,590
ethylphthalate Chlorophenyl-phenylether			100	2 J	4,000 NA
DOLENE			100		NA
6-Dimitro-2-methylphenol Nitrosodiphenylamine		-	30U 10U		NA 295
Bromophenyl-phenylether			100		270
xschlorobenzene ntschlorophenol			300	-	NA e (1.005(pH)-4,830)
enanthrene			100		NA
ntiracene -n-butyl phthalate			100		103
noranthene Tene			100		200 NA
nylbenzyl phthalate			100		140
1'-Dichlorobenzidine nzo(a)anthracene			200		NA 0,5
rysene			100		NA
g 2-Ethylhexyl)phthalate -n-ocsyl phthalate			100	12	NA 100
nzo(b)fluoranthene nzo(k)fluoranthene			100		NA NA
nzo(a)pyrene (BaP)	<u> </u>		IOU		NA NA
leno/12,3-cd)pyrene benzia,h)anthracene			100		NA NA
nzo/g,h.j)perylene			100		NA NA
nitrosodimethy lamine modine			1000		17,100 295
-Diphenyl-n-hydrazine			1000		13
nzvi Alcohol			100		NA NA
STICIDES/PCBS (SW846 8080)		· I			
lding time: 7 days to extract, 40 days to analyze	05/10/95	05/13/95			· · · · · · · · · · · · · · · · · · ·
ha-BHC a-BHC			0.05U 0.05U		NA NA
ts-BHC			0.03Ü 0.03Ü		NA NA
nma-BHC (Lindane) ptachlor			0.03U		0.26
irin ptachlor Epoxide			0.03U 0.03U		1.5
forcifan I			0.05U		0.11
ldnn -DDE			0,10U 0,10U		1,25 0,55
in .			0.09U		0.09
formfan II -DDD (p.p'-TDE)			0.10U 0.10U		0.11 0.55
-DDD (p.p-TDE) lost!!an Sulfate -DDT			0.10U 0.10U		0.11 0.55
thoxychlor			0.500		NA
hrir Ketone Inn Aldehyde			0.100		NA NA
ha-Chlordane			0.050		1.2
uma-Chlordane ex			0.05U 0.10U		1.2 NA
aphene			1.000		0.37
clor-1016			0.50U 0.50U		2
dor-1232			0.500		<u> </u>
eloc. 1 14 7			0.30U 0.30U		2
clor-1242 clor-1248			0.50U		2
clor-1248 clor-1254			0.50U		2
clor-1248					
clor:1248 dor:1254 dor:1250 SOLVED PESTICIDES/PCBS (SW#46 8989)		-		1	i
clor-1248	05/10/95	05/24/95	0.0311		NA NA
clor-1248 clor-1254 clor-1254 clor-1260 SOLVED PESTICIDES/PCRS (SWE46 8980) dieg time: 7 days to extract, 40 days to analyze a-5HC -5HC	05/10/95	05/24/93	0.05U 0.03U		NA NA
clor-1248 clor-1254 clor-1254 clor-1260 SOLVED PESTICIDES/PCRS (SW246 8080) ding time: 7 days to extract, 40 days to enabyze a-BHC -BHC	05/10/95	05/24/95	0.03U 0.03U		NA NA
clor-1248 clor-1254 clor-1254 clor-1256 SOLVED PESTICIDES/PCBS (SW846 8080) ding time: 7 days to extract, 40 days to exalyze a-bHC bHC bHC ma-BHC (Lindane) action	05/10/95	05/24/95	0.03U 0.03U 0.03U 0.03U		NA NA 1 0.26
clor-1248 clor-1254 clor-1254 clor-1250 SOLVED PESTICIDES/PCRS (S.W-846 8080) diep time: 7 days to extract, 40 days to analyze a-bHC -bHC -bHC -mail (Lindane)	05/10/95	05/24/95	0.03U 0.03U 0.03U		NA NA I

	···				
Sample ID: PAT-2-95-C-6.8			Manage Balantas	l	Acute Water Quality
Lab ID: PAT2C6 Elutriate Prep Date: 05/08/95	,	1	Method Detection	Result	Criteria
·	Date Extracted	Date Analyzed	0.10U	ug/L.	ve/L
Enc. in	 	<u> </u>	0.100	 	0.55
Endosulfan II	<u> </u>		0.10U		0.11
4,4'-DDD (p,p'-TDE)		T	0.10U 0.10U	ļ	0.55
Endosulfan Sulfate 4,4'-DDT	 		0.100	 	0.33
Methoxychlor			0.50U		NA NA
Endrin Ketone		 	0.10U 0.10U	 	NA NA
Endrin Aldehyde alpha-Chlordane		 	0.030	 	1.2
gamma-Chlordane			0.03U		1.2
Mirex Toxsphene			0.10U 1,00U	 	0.37
Arocior-1016			0.30U	<u> </u>	2
Arocior-1221			0.300		1
Aroclor-1232 Aroclor-1242			0.30U 0,30U	 	
Aroclor-1248			0.500		1
Aroclor-1254			0,50U 0,50U	<u> </u>	2
Aroclor-1260		ł	0.300	 	
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):					
Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/21/95	· '		
Parathion			1.00		0.065
Chlorpynifor			1.00		0.083
DICE ORGANOPHOPHOPHE COMPANDE CTRACE		 		 	····
DISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8149): Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/23/95			
Parsthion			1.00		0.065
Chlorpynias			1.00		0.083
		 		 	
ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	į			1	
Holding time: None		05/11/95		<u> </u>	
Formaldehyde			5000U 5000U	 	2180 227,750
1-Propanol 2-Propanol		 	30000	 	443,165
DISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	ĺ	l l			
Holding time: None		05/11/95	5000U	1	2180
Formaldehyde I-Propanol		 	5000U	 	227,750
2-Propanol			3000U		443,165
		ļ			
INORGANICS - TOTAL METALS (SW846 6000/7000):	05/17/95	05/19/95		i · .	
Holding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	:X A11		
Aluminum		 	43.8U 3.6U	3.6 UN	750 88
Arsenic			1.60	12.6 N	360
Barnum			7.90	201	20,500
Berylium Boron		 	0.20U 34.9U	60.5 B_	NA 8050
Cadmium			0.30U	1.4 B	1.79
Ouromium III			1U 2.1U	76 17.9 B	984.32 93
Cobalt Copper			0.9U	613	9.22
£1d			2.10	68.5	33.78
Vercury Vickel	05/24/95	05/31/95	0.20U 3.8U	35.1 B	2.4 789.01
clenum		 	2.10	2.1 UN	20
Silver			0.60U	1.6 BN	0.92
hallium		 	3.4U 1.2U	58.6	65
anadium Line			2.10	400 N°	65.04
NORGANICS - DISS, METALS (\$\"846 6000/7000);	05/17/95	05/25/95		1	
Holding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
Ahminum			43.8U	767 9315	750 88
LINETING.		 	3.6U 1.6U	1.9 B	360
anum			7.90	206	20,300
Seryllium .			0.20U		NA 80(A
oron admium		-	34.9U 0.30U	97.3 B	8050 1.79
hromium III			10		984.32
obalt			2.10		95
оррег			0.9U 2.1U	16.6 BN	9.22 33.78
	05/24/95	05/31/95	0.20U	3.0 BIN	2.4
ieraury	03/24/73		3.8U		789.01 20
iercury ickel	032493				
lercury ickel	032493		2.1U 0.60U	0 60 UN	0.92
lercury ickel elenium liver hallium	032473		0.60U 3.4U	0.60 UN	0.92 65
fercury Scied clenium liver hallium aradium	032477		0.60U 3.4U 1.2U		0.92 65 515
fercury Scied clenium liver hallium aradium	032455		0.60U 3.4U	0.60 UN 5.3 B 52.9 EN*	0.92 65
lercury ickel elenium liver hallum anadium inc	032493		0.60U 3.4U 1.2U		0.92 65 515
fercury Stel cleroium Uver Aulium Anadium inc SORGANICS - OTHER (Results in me/L): Noride		05/22/95	0.50U 3.4U 1.2U 2.1U		0.92 65 515 65.04
icretary icited		05/09/95, 05/10/	0.50U 3.4U 1.2U 2.1U	5.3 B 52.9 EN*	0.92 65 515 65.04 86,000 NA
fercury Sickel cleratum liver labilium sandium me NORGANICS - OTHER (Results in me/L): hloride turonium VI vanide		05/09/95, 05/10/	0.50U 3.4U 1.2U 2.1U 1U 0.01U	5.3 B 52.9 EN*	0.92 63 515 65.04 86,000 NA 22
Interest		05/09/95, 05/10/	0.50U 3.4U 1.2U 2.1U	5.3 B 52.9 EN*	0.92 65 515 65.04
iercury icitel i		05/09/95, 05/10/	0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.01U	5.3 B 52.9 EN*	0.92 65 515 65.04 86,000 NA 22 19
ead descury Sickel element Sickel elem		05/09/95, 05/10/ 05/11/95 05/09/95, 05/10/ 05/12/95	0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.01U	5.3 B 52.9 EN* 19	0.92 65 513 65.04 86,000 NA 22 19 NA
Accounty Sicket cleratum liver hallium stradium inc NORGANICS - OTHER (Results in me/L): hloride hromium VI yunde out Acsidual Culorine out Suspended Solids USS, INORGANICS - OTHER (Results in me/L): hloride		05/09/95, 05/10/ 05/11/95 05/09/95, 05/10/ 05/12/95	0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.1U	5.3 B 52.9 EN*	0.92 65 515 65.04
Acreury Kockel element iver hallium hallium hallium inc NORGANICS - OTHER (Results in mg/L): Noride hromium VI yunde out Kendual Chlorine out Surpended Solds ISS. NORGANICS - OTHER (Results in mg/L): hloride hromium VI		05/09/95, 05/10/ 05/11/95 05/09/95, 05/10/ 05/12/95 05/22/95 05/09/95, 05/10/	0.50U 3.4U 1.2U 2.1U 1.0 0.01U 0.01U 1.1U 1.1U 1.1U 0.01U 0.01U 0.01U 0.01U	5.3 B 52.9 EN* 19	0.92 65 513 65.04
Accounty Sicket cleratum liver hallium stradium inc NORGANICS - OTHER (Results in me/L): hloride hromium VI yunde out Acsidual Culorine out Suspended Solids USS, INORGANICS - OTHER (Results in me/L): hloride		05/09/95, 05/10/ 05/11/95 05/09/95, 05/10/ 05/12/95	0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.1U	5.3 B 52.9 EN* 19	0.92 65 513 65.04

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: PAT-3-95-C-0.0 Lab ID: PAT3C0 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit	Result vg/L	Acute Water Quality Criteria ug/L
VOLATILE ORGANICS (SW846 8240):	DEW EXPENSE				
Holding time: 14 days	1 -	5/13/95			
Acetone			1000	110	446,000
Acrolein Acrylonitrile			100U		643
Senzene			100		640
romodichloromethane			100		NA 1823
Promoform Promomethane			100		NA NA
-Butanone (MEK)			100		161,000
arbon Tetrachloride			100		2780 17,500
-Chloroethylvinylether hiorobenzene		 	100		1180
hioroethane			100		NA.
Moroform			100		1945 NA
hloromethane 2-Dichloropropane			100		10,825
,1-Dichloroethane			100		NA 15,440
2-Dichloroethane ,1-Dichloroethene			100		7460
Dibromochloromethane		<u> </u>	100		6730
2-trans Dichloroethylene			100		1000
is-1,2-Dichloroethene is-1,3-Dichloropropene			100		305
ans-1.3-Dichloropropene			100		2900
hylbenzene			100		21,400
-Hexanone -Methyl-2-Pentanone (MIBK)		 	100		11.840
Methylene Chlonde			100	4 JB	NA NA
tyrene			100		693 1040
etrachloroethylene		 	100		1040 NA
,1,2,7-Terachloroethane ,1,2,2-Terachloroethane		<u> </u>	100		1040
oluene			100		1650
,1,1-Trichloroethane ,1,2-Trichloroethane			10U 10U		3023 3390
richloroethene (TCE)			100		2250
inyi Chlonde			100		NA 1055
yienes (Total)			100		1033
EMIVOLATILE ORGANICS (SW846 8270):					
folding time: 7 days to extract, 40 days to analyze	05/11/95	05/21/95	100		100
henol is(2-chloroethyl)ether	~		100		30,000
-Chlorophenol			100		360
3-Dichlorobenzene			100		345 730
4-Dichlorobenzene 2-Dichlorobenzene			100		826
2-Dichlorobenzene -Methylphenol			100		NA.
is(2-chloroisopropyl)ether -Methylphenol			100		4,545 NA
-Nitroso-di-n-propylamine			100		NA
lexachloroethane			160		60
itrobenzene sophorone			100		4,040 10,400
-Nitrophenol			100		8,000
.4-Dimethylphenol			100		660
4-Dichlorophenol 2,4-Trichlorobenzene			100		1,685
aphthalene			100		135
Chloroaniline			100		NA NA
exachlorobutadiene			100		10 NA
s(2-Chloroethoxy)methane -Chloro-1-methylphenol (p-chloro-m-cresol)			100		153
exachlorocyclopentadiene			100		3
4,6-Trichlorophenol 4,5-Trichlorophenol			10U 30U		100
-Chloronaphthalene			100 1		NA.
imethyl phthalate			100		2,475
cenaphthylene 6-Dinitrotohiene			100		990
cenaphthene			100	*	85
4-Dinitrophenol			300		655
Nitrophenol			50U		2,335 1,590
←Dinitrosoluene ethylphthalate			100		4,000
Ohlorophenyl-phenylether			10U		NA
norene			100		NA NA
6-Dinitro-2-methylphenol -Nitrosodiphenylamine			30U 10U		295
Bromophenyl-phenylether			100		270
exachlorobenzene			100		NA e (1,005(pH)-4,830)
nischlorophenol ienanturene		-	30U 10U		- 5
nthracene			100		NA.
-n-butyl phthalate			100		105 200
yoranthene Yene			10U 10U		
rtylbenzyl phthalate			10U		140
3'-Dichlorobenzidine			20U		NA.
nzo(a)antiracene			100		0.5 NA
rrysene s(2-Ethylhexyl)phthalate			100	1_1_	NA
-n-octyl phthalate			100		100
nzo(b)fluoranthene			100		NA NA
nzo(k)fluoranthene nzo(a)pyrene (BaP)	 		100	~	NÃ.
nzo(a)pyrene (BaP) deno(1.2.3-ed)pyrene			100		NA
benz(a,h)anthracenė			100		NA NA
nzo(g,h.i)perylene nitrosodimethylamine		 	1000		17,160
- Alas			1000		293
::zidine					
::zidine -Diphenyl-n-hydrazine nzyl Alcohol			100U 10U		13 NA

ample ID: PAT-3-95-C-0.0 ab ID: PAT3C0 Lutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit vg/L	Result vg/L,	Acute Water Qua Criteria ue/L
ISS. SEMIVOLATILE ORGANICS (SW846 8270):		}			
olding time: 7 days to extract, 40 days to analyze henol	05/10/95	05/24/95	100		100
s 2-chloroethyl)ether			100		30,000
Chlorophenol 3-Dichlorobenzene	· · · · · · · · · · · · · · · · · · ·	-	100		560 345
,4-Dichlorobenzene			100		730
2-Dichlorobenzene Methylphenol			100		820 NA
s(2-chloroisopropyl)ether			10U		4,545
-Methylphenol -Nitroso-di-n-propylamine			100		NA NA
exachloroethane			100		60
itrobenzene ophorone			100	2.7	4,040 10,400
Nitrophenol			100		8,000
4-Dimethylphenol			100	3.1	660
4-Dichlorophenol 2,4-Trichlorobenzene			100		1,685
aphthalene			100		135
Chloroaniline exachlorobytadiene			10U 10U		NA 10
s(2-Chloroethoxy)methane			iou		NA.
Chloro-3-methylphenol (p-chloro-m-cresol)			100		155
exachlorocyclopentadiene 4.6-Trichlorophenol			100		5
4,5-Trichlorophenol			500		100
Chloronaphthalene methyl phthalate			100		NA 2,475
cenaphthylene			100		NA NA
Dinitrotoluene			100		990
enaphthene 4-Duutrophenol			10U 30U		85 653
Nitrophenol			300		2,335
- Dirutrotoluene ethylphthalate			100		1,390 4,000
Chlorophenyl-phenylether			100	7.	NA
uorene			10U 50U		NA NA
5-Dinitro-2-methylphenol Nitrosodiphenylamine			100		295
Bromophenyl-phenylether			100		270
exachiorobenzene machiorophenol			10U 30U	-	NA e (1.003(pH)-4,8
enanthrene			100		3
nthracene			100	2 J	NA 103
n-buryl phthalate			100		200
rene			160		NA.
rylbenzyl phthalate I'-Dichlorobenzidine			10U 20U		I40 NA
nzo(a)anthracene			10		0.5
rysene			100	3.1	NA NA
n(2-Ethylhexyl)phthalate -n-octyl phthalate			100		100
n-octyl phthalate nzo(b)Buoranthene			100		NA.
nzo(k)fluoranthene nzo(a)pyrene (BaP)			100		NA NA
deno(1,2,3-cd)pyrene			100		NA
benz(a,h)anthracene nzo(g,h,i)perylene			10U		NA NA
nitrosodimethylamine			. 100U		17,100
nzidine I-Diphenyl-n-hydrazine			100U 100U		293 13
nzyl Alcohol			100		ŇĀ
STICIDES/PCBS (SW846 8080)		- 1			
iding time: 7 days to extract, 40 days to analyze	05/10/95	05/13/95	000		
ha-BHC a-BHC	 		0.03U 0.03U		NA NA
n-BHC			0.03U		NA
nma-BHC (Lindane) ptachlor			0.03U 0.03U		0.26
nin			0.030		. 1.5
piachlor Epoxide iosulfan I			0.05U 0.05U		0.5 0.11
ldrin			0.10U		1.25
-DDE			0.10U 0.09U		0,53
irin Iosulfan II			0.100		0.11
-DDD (p.p'-TDE)			0.100		0.55
osulian Sulfate -DDT			0.100		0.11
hoxychlor		t	0.50U		NA
rin Ketone			0,10U 0,10U		NA NA
rin Aldehyde us-Chlordane			0.050		1.2
ила-Chlordane			0.05U		1.2
ex aphene	- 		0.10U 1.00U		NA 0.37
clor-1016			0.300		2
clor-1221 clor-1232			0.50U 0.50U		2 2
clor-1242			0.30U		2
clor-1248			0.50U		2
clor-1254 clor-1260	- 		0.50U 0.50U		2
SOLVED PESTICIDES/PCBS (SW846 8080)		055:55	İ		
ding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95	0.05U		NA
-BHC			0.03U		NA
a-BHC			0.05U		NA
ms-BHC (Lindane)	1	——— -	0.05U 0.05U		0.26
nn e			0.05U		1.5
			0.050		0.5
eachlor Epoxide osulfan I			0.050		0.11

ample ID: PAT-3-95-C-0.0 ab ID: PAT3C0 Jutriate Prep Date: 05/08/95	Daria Baramara	Data darkband	Method Detection Limit	Result	Acute Water Qua
4-DDE	[Date Extracted	Date Analyzed	ue/L 0.300	ug/L	0,35
ndnn			0.09U		0.09
ndosulfan II			0.10U		0.11
4'-DDD (p,p'-TDE)			0,100		0.33
ndosulfan Sulfate 4'-DDT			0,10U 0,10U		0.11
ethoxychlor		· · · · · · · · · · · · · · · · · · ·	0,300		NA.
ndrin Ketone		· · · · · · · · · · · · · · · · · · ·	0.100		NA NA
ndrin Aldehyde		1	0,10U		NA.
pha-Chlordane		1	0.03U		1.2
mma-Chlordane			0.05U		1.2
wex		 	0.10U 1.00U		NA NA
oxaphene		 	0,500		0.37
roclor-1016			0.30U		+
roclor-1221 roclor-1232		 	0.30U		
roctor-1232		 	0.30U		
octor-1248		· · · · · · · · · · · · · · · · · · ·	0.50U		2
oclor-1254			0.50U		2
oclor-1260			0.50U		2
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):		1			ļ
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/20/95			
rathion			1.00		0.063
lorpyrifos			1.00		0,083
	 				
ISS. ORGANOPHOSPHORUS COMPOUNDS (SW846 814	0):	1			1
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/22/95		· · · · · · · · · · · · · · · · · · ·	
rathion		 	1.00		0.065 0.083
loπγril⊙r		 	1.00		0,08,3
CONOT BUT DESIGNED OF THE LOCAL PROPERTY OF	 	+			
COHOLS/ALDEHYDES (SW846 Modified 8015):	ĺ	1			1
olding time: None		05/11/95			
rmaldehyde		1	J000U		2180
Propenol			5000U		227,730
торало			3000U		443,165
SS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):		l l			
iding time: None		05/11/95	70001		
rmaldehyde			5000U 5000U		2180 227,730
Propanol Propanol		}	3000U		443,163
TOPAIG		 	7		1,10,100
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/17/95	05/19/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	51,500 940	730
ununum tumony			3.60	4.8 BN	88
sense			1.60	33.2 N	360
num		j	7.90	630	20,300
ւչ Անատ			0.20U	3.0 B	ŇA
ron			34.9U	39.2 B	8050
draium			0.30U	Tours and 4 tours	1.79
romium [II			10	233	984.32
palt			2.1U 0.9U	36,3 243	95 9,22
pper id		 	2.10	354 •	33.78
rcury	05/24/95	05/31/93	0.20U	1.2 •	2.4
kel	T	1	3.80	93.4	789.01
enum			2.10	7.4 N	20
/त			0.600	9.6 BN	0.92
dhau		 	3.40	4.3 B	65
nadium		 	1.2U 2.1U	123 1310 N°	513 63 04
c	-}		4.10	Consideration Name	65.04
		 			
DRGANICS - DISS. METALS (SW846 6000/7000):	05/17/95	05/25/95			
ding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
minum	 	 	43.8U	4220 EN•	750
amony enic	 	 	1.60	6.2 B	360
ium	 	 	7.90	375	20,300
ylium	+		0.20U		NA
on			34.9U	218	8050
mium			0.300	0.59 B	1.79
omium III		ļ	10	20	984.32
alt	 	 	2.1U 0.9U	4.9 B	93
per		 	2.10	93.3 N 32.7 N°	33.78
cwy	05/24/95	05/31/95	0.200		2.4
(el			3.80	9.1 B	789.01
nuun			2.10		20
er -	+		0.60U 3.4U	0.91 BN	0.92 65
lium adium	 		1,20	13.3 B	313
adum	 			- เมื่อมี ย ิงจ	65.04
·	+				
PRGANICS - OTHER (Results in mg/L):				i	
oride	į į	05/22/95	เช	18	86,000
omium VI	1	05/09/95, 05/10/	0.010		NA
nide		05/11/95	0.010_		22
Residual Chlorine		05/09/95, 05/10/	0.10		19
l Suspended Solids		05/12/95	10	1450	NA
E DIODGANICE OTHER COMMISSION OF THE	1	[l	1	1	
S. INORGANICS - OTHER TREMIO IN MEATIN		A (77 A ()	1U	18	86,000
oride	<u> </u>	05/22/95			
onide Omium VI		05/09/95, 05/10/	0.010		NA
S. INORGANICS - OTHER (Results in me/L); orde smuum VI nide I Kendual Chlorine		03/09/95, 05/10/ 05/11/95, 05/22/9 05/09/95, 05/10/ 05/12/95	0.01U 0.00 0.1U	0.2	

Definitions:

NA - Not Available

10g/L - micrograms per Liter, parts per billion

10g/L - miligrams per Liter, parts per million

10g/L - Undetected

11 - Errimated value

13 - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

2 - Duplicate analysis not within control limits

10 - Detection limit

12 - Errimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

POLATIEL DORGANICS REWIRESTED:	Sample ID: PAT-3-95-C-6.25 Lab ID: PAT3 C6 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ng/L	Result	Acute Water Qualit Criteria ug/L
100 45 46 200	VOLATILE ORGANICS (SW846 8240);	1			95717	9275
Second 100 17	Holding time: 14 days	 _=_	5/13/95	1011	<u> </u>	
Colored 1,000 24,55 1,000 1,	Acrolein	 			43	446,000
						645
No. contrasts	Bromodichloromethane			100	 	
Johannes Milks						
December 17.00 1	2-Butanone (MEK)			100		161,000
Secretaries 100 11	Arbon Tetrachlonde	 				2780
100 1945 1	Chlorobenzene			10U		1180
Newmorks		 				NA 1943
1.50cherchiase	hloromethane			100		NA NA
2 Dicherechnes 16 11 12 16 16 16 16 16	,Z-Dichloropropane		<u> </u>			10,825
	,2-Dichloroethane			100		15,440
100 160		 				
1-1 Debinepropense	,2-trans Dichloroethylene			100	 	1000
100 \$760 100 100	u-1,2-Dichloroethene			100		
Activative 100 2000 10 10 10 10 10	runs-1,3-Dichloropropene			100		
Microbit Presented (MBK)		ļ				21,400
Sentimen Chonder 100	-Methyl-2-Pentanone (MIBK)			100		11.840
Certain continues 100 15	Methylene Chloride			100	10 B	NA.
1,1,1 Considered Name	etrachloroethylene				 	1040
Color Colo	,1,1,2-Tetrachloroethane			100		NA
1.1.	oluene			100	 	
Final Processor Fig. Final Processor Fin	,1,1-Inchloroethane					3025
Introduction	richloroethene (TCE)	l		100	 	
NIVOLATILE ORGANICS (SW246 \$170): older due 7 days to entrat, 40 days (o analyse)						NA
OST OST	(read (read)	l		100	 	1053
Action 100	EMIVOLATILE ORGANICS (SW846 8270): lobling time: 7 days to extract, 40 days to snatyze	05/11/95	05/21/95	1817		
Chorephend	nenos us(2-chloroethyl)ether				1,	
Abchorobenzane 100	-Chlorophenol					560
2-Discherbename 10U \$70	4-Dichlorobenzene				ļ	730
Additional content Additio	2-Dichlorobenzene Methylishanol					820
Methylphenol	is(2-chloroisopropyl)ether					
100					17	NA.
100	exachloroethane					NA
Nicephrol 100						
4-Duredylphenol 10U 2 660	Nitrophenol			100	1,	
2 Finchorobenzene 10U 130	4-Directly Iphenol				2]	660
Chlorosubne 10U	2.←Trichlorobenzene			100		
Inches I	aphihalene Chlorospiène					
Chloro-J-methyliphenol (p-chloro-m-eresol) 100	exachlorobutadiene			100		10
	(2-Chloroethoxy)methane Chloro-1-methylphenol (n-chloro-m-resol)					NA T
1.5 Inchlorophenol 100	exachlorocyclopentadiene			10U		
Chlorosphihalter						5
DOU	Chloronaphthalene			100		NA
Doll	methyl phthalate tenaphthylene					
Durivophenol SOU C535	6-Dirutrotoluene			100		
Nivophenol SOU 2,315						
District of the property District of the pro	Vitrophenol			SOU		
Description Description	4-Dirutrotoluene					1,590
Description Description	Chlorophenyl-phenylether			180		
Nicroschplenylamine 10U 235 35 35 35 35 35 35 3	orene					NA
						NA
Inchlorophenol	Nitrosodiphenylamine					203
	Nitrosodiphenylamine Bromophenyl-phenylether			100		295 270
1-buty phhalate 100	Nitrosodiphenylamine Bromophenyl-phenylether Aschlorobenzene			10U 10U 10U		295 270 NA
100 200	Nicrosodiphenylamine Bromophenyl-phenylether zachlorobenzene nachlorophenol enantrene			10U 10U 10U 50U 10U		295 270 NA e (1.005(pH)-4,830)
None Property Pathalate 10U	Nictorodiphenylamine Somophenyl-phenyleither sachlorobenzene tachlorophenol enantizene thracene			10U 10U 10U 50U 10U		295 270 NA e (1.005(pH)-4,830) NA
100	Nicrosodiphenylamine Bromophenyl-phenylether zachlorobenzene nachlorophenol enantrene thracene n-buryl philalate oranthene			10U 10U 10U 50U 10U 10U 10U		295 270 NA e (1.005(pH)-4,830) 3 NA 103 200
100	Nictorodiphenylamine gromophenyl-phenyleither sachlorobenzene tachlorophenol ensultrene thracene			10U 10U 10U 50U 10U 10U 10U 10U		295 270 NA e(1.005(pH)-4,830) 5 NA 103 200 NA
(2-Enythexyl)phthalate	Nictorodiphenylamine gromophenyl-phenyleither sachlorobenzene tachlorophenol ensultrene thracene			10U 10U 10U 50U 10U 10U 10U 10U 10U 10U 10U		295 270 NA e (1.003(pH)-4,830) S NA 103 200 NA 140 NA
100 100	Nicrosodiphenylamine Bromophenyl-phenylether sacilorobenzene nacilorophenol enantrene thracene burly phulate oranthene tene typicarryl phulate burly phulate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		295 270 NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 0,5
100	Nictorodiphenylamine gromophenyl-phenylether aachtorobenzene tachtorophenol enantivene thracene n-burly lphulate orantiene tene typicenzyl phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		295 270 NA e(1.003(pH)-4,830) NA 105 200 NA 140 NA 0.5 NA
10U NA 2007 200	Nictorodiphenylamine Bromophenyl-phenylether Bromophenyl-phenylether Bachloroberazene Bachlorophenol enantrene thraceneburly phhalate oranthene ene typenzyl phthalatebrichoroberazene typenzyl phthalatebrichoroberazene typenzyl phthalatebrichoroberazene typenzyl phthalatebrichoroberazene typenzyl phthalatebrichoroberazene type			10U 10U 10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		295 270 NA • (1.005(pH)-4,830) S NA 103 200 NA 140 NA 0.5 NA NA
10U NA 2007 200	Nictorodiphenylamine Bromophenyl-phenylether Bromophenyl-phenylether Bachloroberazene Bachlorophenol enantrene thraceneburly phhalate oranthene ene typenzyl phthalatebrichoroberazene typenzyl phthalatebrichoroberazene typenzyl phthalatebrichoroberazene typenzyl phthalatebrichoroberazene typenzyl phthalatebrichoroberazene type			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		295 270 NA e (1.005(pH)-4,830) NA 105 200 NA 140 NA 0.5 NA 1100 NA NA NA
200g Julperylene	Nictorodiphenylamine Bromophenyl-phenylether Bachlorobenzene Bachlorophenol enantrene thracene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		295 270 NA e (1.005(pH)-4,830) NA 105 200 NA 105 200 NA 140 NA 0.5 NA 100 NA NA NA NA NA NA
20dne 100U 295 Diphenyl-n-hydrazine 100U 15	Nictorodiphenylamine Somophenyl-phenylether sachlorobenzene tachlorophenol enauthene threene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		295 270 NA e(1.003(pH)-4,830) NA 103 200 NA 104 105 NA 100 NA 100 NA NA NA NA NA NA NA
Diphenyl-n-hyd-anne 100U	Nictorodiphenylamine Bomophenyl-phenylether Bachloroberszene Bachlorophenol Bachl			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		295 270 NA e (1.003(pH)-4,830) NA 103 200 NA 140 NA 100 NA 140 NA NA NA NA NA NA
	Nictorodiphenylamine gromophenyl-phenylether aschlorobenzene tachlorophenol enantivene threceneburyl philalate orantiene typenzyl philalate 'Dichlorobenzadine typenzyl philalate 'Dichlorobenzadine typenzyl philalate 'Dichlorobenzadine typenyl philalate 'Dichlorobenzadine typenyl philalate 'Dichlorobenzadine typenyl philalate typenyl typenyl philalate typenyl ty			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		295 270 NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 100 NA 140 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA

Sample ID: PAT-3-95-C-6.25 Lab ID: PAT3C6 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ng/L	Result ug/L	Acute Water Qualit Criteria vg/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95			
Phenol Dis(2-chloroethy))ether			100		30,000
I-Chlorophenol			IOU		360
,3-Dichlorobenzene ,4-Dichlorobenzene		 	100	 -	345 730
,2-Dichlorobenzene			100		820
?-Methylphenol pis(2-chloroisopropyl)ether		 	100		NA 4,545
l-Methylphenol			160	2 J	NA NA
-Nitroso-di-n-propylamine exachloroethane			100		60
Vitrobenzene sophorone		F	100	2 J	4,040 10,400
-Nitrophenol			100		8,000
-Nirophenol ,4-Dimethylphenol ,4-Dichlorophenol ,2,4-Trichlorobenzene			100	4.3	660 1,683
2,4-Trichlorobenzene			100		130
Vaphthalene I-Chloroaniline			100		135 NA
lexachlorobutadiene			100		10
pis(2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol)		 	100		NA ISS
lexachlorocyclopentadiene ,4.6-Trichlorophenol			100		
,4,5-Trichlorophenol		 	10U 50U		100
-Chloronaphthalene			100		NA 2,475
Dimethyl phthalate Acenaphthylene		<u> </u>	100		NA .
Cenaphthene			100		990 85
,4-Directrophenol			300		655
-Nitrophenol ,4-Dinitrotohiene			30U 10U		2,335 1,590
)iethylphthalate	1		100	3.7	4,000
Otlorophenyl-phenylether Toorene		 	100		NA NA
.6-Dinitro-2-methylphenol			300		NA
-Nitrosodiphenylamine -Bromophenyl-phenylether			100		295 270
iexachlorobenzene			100		NA.
entschlorophenol henandurene			30U 10U		e (1.005(pH)-4,830)
nturacene			100		NA 105
h-n-butyl phthalate luoranthene		 	100		200
yrene utylbenzyl phthalate			100		NA 140
,3'-Dichlorobenzidine			20U		NA
enzo(a)anthracene hrysene			100		0.3 NA
is(2-Ethylhexyl)phthalate			100	17	NA
n-n-octyl phthalate enzo(b)fluoranthene		ļ	10U 10U		100 NA
enzo(k)fluoranthene			10U		NA
enzo(a)pyrene (BaP) ideno(1,2,3-cd)pyrene			100		NA NA
ibenz(a,h)anthracene			100		NA NA
enzo(c,h.i)perylene -nirosodimethylamine			100		NA 17,100
enzidine 2-Diphenyl-n-hydrazine			100U 100U		293
enzyl Alcohol			100		NA NA
ESTICIDES/PCBS (SW846 8080) olding time: 7 days to extract, 40 days to analyze pha-BHC	05/10/95	05/13/95	6.0sU		NA .
eta-BHC			0.03U		NA
rha-BHC umma-BHC (Lindane)	+		0.05U 0.05U	T	NA I
eptachlor			0.05U		0,26
l¢rin epischlor Epoxide	 		0.05U 0.05U		0.5
ndosulfan I			0.03U		0.11
eldrin «-DDE	<u></u>		0.10U 0.10U		1.25 0.55
ndon	1		0.09U 0.10U		0.09
idosulfan II 4'-DDD (p.p'-TDE)	 		0.10U		0.55
ndosulfan Sulfate 4-DDT			0.10U 0.10U		0.11 0.33
ethoxychlor			0.30U		NA
idrin Ketone idrin Aldehyde			0,10U 0,10U		NA NA
oha-Chlordane			0,03U		1.2
mina-Chlordane irex			0,05U 0,10U		1.2 NA
xaphene			1,000		0.37
octor-1016 octor-1221	 		0.50U 0.50U	T	2
oclor-1232			0,50U		
oclor-1242 polor-1248	∤	 -	0.50U 0.50U		2
-: or-1254			0,300		
ocior-1260	 		0.50U		2
COLUMN PROTECTION COLUMN COLUMN	1				
SSOLVED PESTICIDES/PCBS (SW846 8080)	I senone i	05/24/95			NA NA
ilding time: 7 days to extract, 40 days to analyze	05/10/95				rx A
Iding time: 7 days to extract, 40 days to analyze ha-BHC a-BHC	03/10/3		0.03U 0.03U		. NA
Iding time: 7 days to extract, 40 days to analyze ha-BHC a-BHC	03/10/3		0.03U 0.03U		
iding time: 7 days to extract, 40 days to analyze ha.BHC a.BHC u.BHC pa.BHC pashC pischlor	03/1095		0.03U 0.03U 0.03U 0.03U		NA NA I 0.26
iding time: 7 days to extract, 40 days to analyze has-BHC a-BHC b-BHC b-BHC (Lindane)	03/luys		0.03U 0.03U 0.03U		NA NA

sample ID: PAT-3-95-C-6.25 .ab ID: PAT3C6 Lutriate Prep Date: 05/08/95	Date Frimetal	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Qua Criteria ve/L
A-DDE	Date Extracted	Date Analyzed	Ø.10U	95%	0.33
ndrin			. 0.09U 0.10U		0.09
ndosulian II 4'-DDD (p,p'-TDE)			0.10U	 	0.55
ndosulian Suliate			0.10U		0.11
4'-DDT			0.10U 0.50U	ļ	0.55 NA
lethoxychlor ndrin Ketone		 	0.100	 	ที่สิ
ndrin Aldehyde			0.10U		NA NA
pha-Chlordane			0.05U		1.2
mma-Chlordane		 	0.05U 0.10U	 	I.2 NA
irex oxaphene			1.000		0.37
rocior-1016			0.500		2
roclor-1221			0.300	ļ	2
roclor-1232		 	0.50U 0.50U	 	
roclor-1242 roclor-1248			0.300		<u> </u>
ocior-1254			0.50U		2
roclor-1260	ļ		0.50U	 	2
				 	l
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):				ļ	İ
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/21/95	1.00	 	0.065
rathion dorpynfos	 	1	1.00	 	0.063
noibition	- 				
SS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):			ļ	
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/23/95		<u> </u>	
rathion			1.00	<u> </u>	0.065
lorpynfos			1.00	 	0.083
COURT CALL DRIVEN DO CONTRACTO AND LONG	 	 		 	
COHOLS/ALDEHYDES (SW846 Modified 8015):	1	000.00		1	}
olding time: None	 	05/11/95	*****		
rmaldehyde	 		5000U 5000U	 	2180 227,750
Propanol Propanol	+	 	3000U	 	443,165
гюрию			3000	<u> </u>	7,50,00
SS. ALCOHOLS/A LDEHYDES (SW846 Modified 8015):					
olding time: None	l _	05/11/95		ŀ	
rmaldehyde			3000U		2180
ropanol			30000		227,750 443,165
Propanol			30000	 	443,163
ORGINIOS MOTI I MATTI E COMPAS COORTIONS	05/17/95	05/19/95			
ORGANICS - TOTAL METALS (SW846 6000/7000):		1 1			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	220,000	750
unony	 		3.60	3.9 BN	88
seruc			1.60	82.0 N	360
num			7.90	2090	20,500
rylbun	 		0.20U 34.9U	4.2 B	NA 8030
ron drawm			0.300	4 P. Carlotte 6.1 4 14 14 14	1.79
romum III			10	530	984.32
balt			2.1U 0.9U	39439974361 51 394601	95 9.22
pper		ļ	2.10	183	33.78
roury	05/24/95	05/31/95	0.20U	0.26	2.4
rkei			3.8U	311	789.01
enium			2.10	9.0 N	20
ver allium	+	<u>_</u>	0.60U 3.4U	2.3 DN 6.7 B	0.92 63
nadium nadium	+		1.20	451	313
ic			2.10	1710 NE	65.04
ORGANICS - DISS. METALS (SW846 6000/1000);	05/17/95	05/25/95			
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		<u> </u>	
uninum	ļ		43.80	21,200 EN®	750 88
mony	 		3.6U 1.6U		360
num	 		7.90	277	20,500
yllium	.1		0.20U		NA.
ron	4		34.9U	144	8050
Insum romium III	 	 	0.30U 1U	46	1,79 984.32
onium III	 	 	2.10	13.4 B	93
pper	1		0.9U	TORREST TORREST TORREST	9.22
d	ACAZAL.	Araini	2.1U 0.20U	143 N°	33.78 2.4
rcury kel	05/24/95	05/31/95	3.8U	24.5 B	789.01
enium	 		2.10	2.9 B	20
nium cr			0.600	0.60 UN	0.92
dlium	↓		3.40	43.5 B	63 513
udium c	 		1.2U 2.1U	43.3 B	65.04
·					
ORGANICS - OTHER (Results in mg/L):					
oride	<u> </u>	05/22/95	IU	. 6	86,000
omium VI		03/09/93, 03/10/	0.010		NA
nide		05/11/95	0.01U 0.1U	 	22
al Residual Chlorine al Suspended Solids	 	05/09/95, 05/10/1	10	10,300	NA NA
a owpended 3000s	†	77.4/7			****
SS. INORGANICS - OTHER (Results in me/L):	T				
onde	L	05/22/95	10	7	86,000
опишт V)		05/09/95, 05/10/	0.010		NA
		05/11/95, 05/22/9	0.010		22
uride al Residual Chlorine al Suspended Solids		05/09/95, 05/10/	0.10		19

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Extimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

E - Extimated value because of the presence of interference

N - Spiked sample recovery not within control limits

B. Lank spaces represent non-detected compounds.

Sample ID: PAT-4-95-C-0.0 Lab ID: PAT4C0 Elutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ue/L	Acute Water Quality Criteria ug/L
VOLATILE ORGANICS (SW846 8240):			•		_
Holding time: 14 days Acetone		5/8/95	10U	48	446,000
Acrolein			100U		455 645
Acrylonitrile Benzene			1000		640
Bromodichloromethane			100		NA
Bromoform			100		1825 NA
Bromomethane 2-Butanone (MEK)			100		161,000
Carbon Tetrachloride			100		2780 17,500
Z-Chloroethylvinylether Chlorobenzene			100		1180
Chioroethane			100		NA 1945
Onloro form Onloro methane			100		NA
1.2-Dichloropropane			100		10,825
1,1-Dichloroethane			100		NA 15,440
1.1-Dichloroethene			100		7460
Dibromochloromethane			100		6750 1000
1,2-trans Dichloroethylene cs-1,2-Dichloroethene			100		305
cs-1,3-Dichloropropene			100		305
cans-1,3-Dichloropropene Echylbenzene			100		2900 21,400
2-Hexanone			100		26,000
4-Methyl-2-Pentanone (MIBK)			100	7 JB	11,840
Methylene Chloride Syrene			100	/ JB	NA 693
etrachloroethylene			100		1040
1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane			100		NA 1040
1,1,2,2-Tetrachloroethane			100		1650
I.I.1-Trichloroethane			100		3025
1.1.2-Trichloroethane			100		3390 2250
Inchloroethene (ICE) Vinyl Chloride			100		NA
Xylenes (Total)			100		1055
SEMIVOLATILE ORGANICS (SW846 8270):					
Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/21/95		ĺ	
rnenoi			100		100
bis(2-chloroethyl)ether			100		30,000 360
2-Chlorophenol 13-Dichlorobenzene			100		345
.4-Dichlorobenzene			100		730
1,2-Dichlorobenzene 2-Methylphenol			100		820 NA
2-riedryphenol b:s(2-chloroisopropyl)ether			100		4,545
←Methylphenol			100		NA NA
Nitroso-di-n-propylamine hexachloroethane			100		60
Nicrobenzene			100		4,040 10,400
sophorone 2-Nitrophenol			100		8,000
4-Dimethylphenol			100		660
4-Dichlorophenol			100		1,685
2,4-Trichlorobenzene			100		133
-Chioroaniline			100		NA NA
rexachlorobutadiene cs(2-Chloroethoxy)methane			100		NA
-Chloro-3-methylphenol (p-chloro-m-cresol)			100		133
rexachlorocyclopentadiene			10U		3
.4.6-Trichlorophenol			10U 30U		100
2-Chloronaphthalene			10U		NA
Dimethyl phthalate			10Ŭ 10U		2,475 NA
Acenaphthylene 2.6-Dinitrotoluene			IOU		990
Acenaphthene			100		85
4-Dinitrophenol			SOU	l	655

-Nitrophenol		 	SOU 10U		2,335 1,590
,4-Dinivotohiene Diethylphthalate			50U 10U 10U		1,590
(4-Dinivotoluene Nethylphthalate -Chlorophenyl-phenylether			50U 10U 10U 10U		1,590 4,000 NA
.4-Dirutrotoluene Nethylphthalate -Chlorophenyl-phenylether Tuorene			50U 10U 10U		1,590 4,000 NA NA NA
(A-Dintrotoluene). inchylphthalate —Chlorophenyl-phenylether -horene 35-Dintro-2-methylphenol - Nitrosodiphenylamine			SOU 10U 10U 10U 10U 10U 30U		1,590 4,000 NA NA NA NA 293
.4-Dinitrotoluene Nethylphtalate -Chlorophenyl-phenylether Inorene			50U 10U 10U 10U 10U 50U 50U		1,590 4,000 NA NA NA NA 293 270
A-Dinivotoluene			SOU 10U 10U 10U 10U 50U 10U 10U 10U		1,590 4,000 NA NA NA 295 270 NA e(1.005(pH)-4,830)
(A-Dintrotoluene) Chlorophenyl-phenylether			SOU 10U 10U 10U 10U 50U 10U 10U 10U 50U		1,590 4,000 NA NA NA 195 270 NA e(1.005(pH)-4,830)
(A-Dintrotoluene) Chlorophenyl-phenylether			SOU 10U 10U 10U 10U 50U 10U 10U 10U 10U 10U		1.590 4,000 NA NA NA 295 270 NA e (1.005(pH)-4,830) NA 105
(A-Dintrotoluene) Chlorophenyl-phenylether luorene			50U 10U 10U 10U 10U 50U 10U 10U 10U 10U 10U 10U		1.590 4,000 NA NA NA 295 270 NA e(1.005(pH)-4,830) S NA 105 200
A-Dirivtolohene A-Dirivtolohene A-Dirivtolohene A-Dirivtolohene Inoren			50U 10U 10U 10U 10U 50U 10U 10U 10U 10U 10U 10U 10U		1.590 4,000 NA NA NA NA 295 270 NA c(1.005(9H)-4,830) S 105 200 NA
(A-Dinivotoluene) A-Dinivotoluene) A-Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Ch-Dinivo-2-methylphenol -Chlorophenyl-phenylether -Chlorophenyl-phenylether -Chlorophenol -			50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		1.590 4,000 NA NA NA 295 270 NA e(1.005(pH)-4,830) S NA 105 200
A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene -Calbrophenyl-phenyletter Inorene			50U 10U 10U 10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		1.590 4.000 NA NA NA NA NA 295 270 NA e (1.005(pH)-4,830) 5 NA 105 200 NA 140 NA 0.5
A-Dirivotoluene Activylphialate Chlorophenyl-phenylether Inorene A-Dirivo-2-methylphenol -Nirosediphenylamine Bromophenyl-phenylether (exachlorobenzene (exa			50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		L.590 4,000 NA NA NA NA NA 293 270 NA c(1.005(pH)-4,830) S NA 105 200 NA 140 NA 0.5 NA
A-Dirivtolohuene A-Dirivtolohuene A-Dirivtolohuene A-Dirivtolohuene			50U 10U 10U 10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		1.590 4.000 NA NA NA NA NA 295 270 NA e (1.005(pH)-4,830) 5 NA 105 200 NA 140 NA 0.5
A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene B-Iromophenyl-phenyletter (exachlorobenzene entachlorobenzene entachlorobenzene entachlorobenzene derachlorobenzene entachlorobenzene entachlorobenzene derachlo			50U 10U 10U 10U 10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		1,590 4,000 NA NA NA NA NA NA 105 270 NA (1,005(pH)-4,830) S 105 200 NA 140 NA NA NA NA NA NA NA NA
A-Dirivotoluene A-Dirivotoluene A-Chlorophenyl-phenyletter Chlorophenyl-phenyletter Chlorophenyl-phenyletter Chlorophenyl-phenyletter Chlorodiphenyl-phenyletter Chlorodiphenyl-phenyletter Chlorodiphenyl-phenyletter Chlorodiphenyl-phenyletter Chlorodiphenyl-phenyletter Chlorodiphenyl-phenyletter Chlorodiphenyl-phenyl			50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		L.590 4,000 NA NA NA NA NA NA 293 270 NA e(1.005(pH)-4,830) NA 105 200 NA 140 NA 140 NA NA NA NA NA NA NA NA NA
A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene Bromophenyl-phenyletter (exachlorobenzene entachlorobenzene entachlorobenzene entachlorobenzene			50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		1,590 4,000 NA NA NA NA NA NA 105 270 NA (1,005(pH)-4,830) S 105 200 NA 140 NA NA NA NA NA NA NA NA
A-Dirivotoluene A-Dirivotoluene A-Dirivotoluene A-Dirivotophenyl-phenyletter Inorene I			50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		L.590 4,000 NA NA NA NA NA NA 293 270 NA c(1.005(pH)-4,830) S NA 105 200 NA 140 NA 0.5 NA 100 NA 140 NA NA NA NA NA
A-Dirivtolohene A-Dirivtolohene A-Dirivtolohene A-Dirivtolohene A-Dirivtolohene A-Dirivto-2-methylphenol -Nirocodiphenyl-amine -Bromophenyl-phenyletter (exachlorohenzene erauchlorohenzene erauchlorohenzene inturacene -In-burly phthalate -In-burly phthalate -In-burly phthalate -In-burly phthalate -In-burly phthalate -In-ordinate			50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		1.590 4.000 NA NA NA NA NA NA NA NA 105 270 NA 6 (1.005(9H)-4,830) 5 NA 105 200 NA 106 200 NA 107 100 NA 100 NA NA NA NA NA NA NA
A-Dirivotoluene Activylphialate Chlorophenyl-phenylether Inorene A-Dirivo-2-methylphenol -Nirosedishenylamine Elromophenyl-phenylether exachlorobenzene eraschlorobenzene eraschlorobenzene eraschlorobenzene institutione institu			50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		L.590 4,000 NA NA NA NA NA NA 105 270 NA (1.005(9H)-4,830) S NA 105 200 NA 106 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
A-Dirivtolohene A-Dirivtolohene A-Dirivtolohene A-Dirivtolohene A-Dirivtolohene A-Dirivto-2-methylphenol -Nirocodiphenyl-amine -Bromophenyl-phenyletter (exachlorohenzene erauchlorohenzene erauchlorohenzene inturacene -In-burly phthalate -In-burly phthalate -In-burly phthalate -In-burly phthalate -In-burly phthalate -In-ordinate			SOU SOU		1.590 4,000 NA NA NA NA NA 293 270 NA ((1.005(pH)-4,830) 5 NA 105 200 NA 140 NA 0.5 NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA

.

ample ID: PAT-4-95-C-0.0 ab ID: PAT4C0 lutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result vg/L	Acute Water Qual Criteria ne/L
ISS. SEMIVOLATILE ORGANICS (SW846 8270): olding time: 7 days to extract, 40 days to analyza	05/09/95	05/21/95			
henol			100		100 30,000
s(2-chloroethyl)ether Chlorophenol		-	100	· · · · · ·	360
3-Dichlorobenzene			100		345
4-Dichlorobenzene 2-Dichlorobenzene		 	100	 	730 820
Methylphenol			100		NA
s(2-chloroisopropyl)ether Methylphenol		 	100		4,545 NA
-Nitroso-di-n-propylamine			100		NA NA
exichloroethane probenzene			100	 	4,040
ophorone			10U	7.7	10,400
Nitrophenol			100	9 3	8,000
4-Dimethylphenol 4-Dichlorophenol		 	100	,,	1,685
2,4-Trichlorobenzene			100		130
aphthalene Chloroaniline			100		135 NA
exachlorobutadiene			100		10
x(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			100		NA ISS
exachlorocyclonentadiene	- 		100		1 3
4,6-Trichlorophenol 4,5-Trichlorophenol Chloronaphthalene			100		100
4,>- i nchlorophenol Chloropaphthalene			30U 10U		NA NA
methyl phthalate			100		2,475
cenaphthylene 6-Dinitrotoluene		$\vdash \vdash \vdash$	100		NA 990
cenaphthene			100		85
4-Dinitrophenol			30U		633
Nitrophenol 4-Dinitrotoluene		 	100		2,335 1,590
ethylphthalate			100		1,590 4,000
Chlorophenyl-phenylether worene			100	- · · · · · · · · · · · · · · · · · · ·	NA NA
& Dinitro-2-methylphenol Nitrosodiphenylamine			SOU		NA.
Nitrosodiphenylamine Bromophenyl-phenylether			100		295
exachlorobenzene			100		NA.
ntschlorophenol			30U 10U		e (1.003(pH)-4,83
enanthrene nthracene			100		NA.
-n-butyl phthalate			100		103
noranthene Tene	 		100		200 NA
tylbenzyl phthalate			100		140
3-Dichlom benzidine nzo(a)anthracene			20U IU		NA 0.5
rysene			100		NA NA
s/2-Ethylhexyl)phthalate			100	15	100
-ri-octyl phthalate nzo(b)fluoranthene		-	100		NA.
nzo(k)fluoranthene			100		ŅĀ
nzo(a)pyrene (BaP) deno(1,2,3-cd)pyrene	-		10U		NA NA
benz(a,h)anthracene			100		NA
nzo(g h.i)perylene nirosodimethylamine			16U 100U		NA 17,100
nzidine			100U		295
!-Diphenyl-n-hydrazine nzyl Alcohol		-	1000		NA
izy) Alcolloi			100		
STICIDES/PCBS (SW846 8080) Iding time: 7 days to extract, 40 days to analyze	05/09/95	05/14/95			<u> </u>
ha-BHC	1		0.05U 0.05U		NA NA
b-BHC	+		0.05U		NA NA
nma-BHC (Lindane)			0.05U		
ptachlor Irin	+		0.05U 0.05U		0.26 1.5
prachlor Epoxide			0.05U		0.5
doralian I			0,03U 0.10U		C.11 1.25
-DDE			0.10U		0.53
drin dosulfan II			0.09U 0.10U		0.09
'-DDD (p,p'-TDE)	1		0.100		0.55
dosulfan Sulfate •DDT	-		0.10U 0.10U		0.11 0.55
thoxychlor	<u> </u>		0.30U	<u></u>	NA .
irin Ketone			0.10U		NA VA
frin Aldehyde ha-Chlordane	 	 +	0.10U 0.03U	<u> </u>	1.2
nma-Chlordane			0.03U		1.2
ex caphene	- 		0.10U 1.00U		NA 0,37
xlor-1016			0.300		2
xclor-1221 xclor-1232	 	T	0,50U 0,50U		- 2
oclor-1242			0.50U		- 2
clor-1248 clor-1254	1	T	0.50U 0.50U		2
ictor-1254	1		0.300		2
SOLVED PESTICIDES/PCBS (SW846 8080)	05/09/95	05/24/95	ł	[
ding time: 7 days to extract, 40 days to analyze u-BHC	CKUKUKA	V3/24/93	0.05U		NA
u-BAC			0.05U		NA NA
, nor	+	*	V VG.		
-BHC -BHC			0.03U 0.03U		
-BHC a-BHC ma-BHC (Lindane) uachlor			0.05U 0.03U		0.26
-BHC a-BHC imi-BHC (Lindane)			0.030		1

Sample ID: PAT-4-95-C-0.0 Lab ID: PAT4C0 Clutriate Prep Date: 05/06/95		L	Method Detection Limit	Result	Acute Water Qua Criteria
34-5006	Date Extracted	Date Analyzed	0.10U	ue/L	υς/L 0.33
ndrin	+	 	0.09U		0.09
ndosulfan ii	T		0.100		0.11
,4'-DDD (p.p'-TDΕ)			0.100		0.33
ndosulfan Salfate			0.100		0.11
A'-DDT		 	0.300	 	NA NA
dethoxychier ndrin Keune			0,10U	 	NA.
ndrin Aldehyde	 	i	0.10U		NA
pha-Chloritane			0.030		1.2
amma-Oloriane		· · · · · · · · · · · · · · · · · · ·	0.03U		1.2
urex			0.100		NA NA
oxaphene		ļ	1,000		0.37
roclor-1016		 	0.50U 0.50U		2 2
roclor-1221	 	 	0.300	 	
roclor-1232 roclor-1242	 	 	· 0.30U		
rocior-1248	 -	 	0.300	f	2
roclor-1234	1	1	0.500		2
roclor-1260			0,500		2
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):					
olding time: 7 days to extract, 40 days to analyze	05/09/95	05/20/95		1	1
olding time: / days to extract, 40 days to analyze	3,,,,,,		1.00	T	0.065
domyni≪			1.00		0.083
001)7,8000					
ISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140		T			
olding time: 7 days to extract, 40 days to analyze	05/09/95	05/22/95		l	L
urathion			1.00		0.063
hlorpythlor			1.00		0,083
				ļ	
LCOHOLS'ALDEHYDES (SW846 Modified 8015):	1				į
olding time: Nane	_	05/15/95		1	l
			5000U		2180
rmaldelivde Propanot			3000U	 	227.750
Propanol	 	 	30000	 	227,750 443,165
горано.				1	
ISS, ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	1				
ISS, ALCOHOLS/ALDER TDES (SW640 MOGUNG BUISE	!	05/17/95		J	i
olding time: None	 	- V21,1172	3000U		2180
Propanoi			3000U		227,750
Propanol			3000U		443,165
					·
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/17/95	05/19/95			i
	all except Hg	all except Hg			1
olding time: 6 mo. (28 days Hg)	and except tilk	- MANAGE III	43.8U	129,000	750
numentun	1		3.60	4.0 BN	88
IZEDIC	<u> </u>		1.60	45.6 N	360
ภูเทา				1260	20,500
ryllium	<u> </u>		0.20U	3.8 B	NA NA
Pron	 	ļ.—	34.9U 0.30U	153	8050 1.79
dmium			10	368	984.32
romum III	 		2.10	end in the 99 Totale	95
balt	 		0.90	226	9,22
opper	 		2.10	288	33.78
ercury	05/24/95	05/31/95	0.20U	0.74	2.4
ckel			3.8U	189	789.01
lenium			2.10	9.0 N	20
ver			0.600	5.8 BN	0.92
allium			3.40	4.0 B	65
nadium			1.2U 2.1U	263 1360 N*	515 65.04
ns	 	 	2.10		03.04
	000000	1 00000			
ORGANICS - DISS, METALS (SW846 6000/7000);	05/17/95	05/25/95		[
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
uminum			43.8U 3.6U	8930 EN*	750 88
amony		 	1.6U	4.1 B	360
reme	 		7.90	348	20,500
ylbum	 		0.20U		— NA
ron			34.9U	202	8050
Inium			0.30U		1.79
romium ui				20	984,32
bolt			2.10	5.7 B	95
::a		<u> </u>	0.90	49.5 N	9.22
d	05/24/95	05/31/95	2.1U 0.20U	17.3 N° 1.8	33.78 2.4
rewy kel	VA4473		3.8U	9.8 B	789.01
enium	 		2.10	3.1 B	20
ret			0.600	0.60 UN	0.92
Hun			3.4U		63
nadium			1.20	18.6 B	315
¢			2.10	204 EN*	65.04
			 	 	
ORGANICS - OTHER (Results in me/L):		I			
oride		05/22/95	10	14	86,000
omium VI		05/09/95, 05/10/	0.010		NA 22
arude	<u></u>	05/11/95	0.01U 0.1U		19
al Residual Chlorine		05/12/95	10	3160	NA NA
al Companded Solida		ر رون در ب		7100	
al Suspended Solids					
SS. INORGANICS - OTHER Results in me/L):		05/27/05	117	.,	86 000
b) Suspented Solids SS. INORGANICS - OTHER (Results in me/L): loride		05/22/95	10	.13	86,000 NA
SS. NORGANICS - OTHER (Results in me/L): loride romium VI		05/09/95, 05/10/	0.010	13	86,000 NA 22
SS. NORGANICS - OTHER (Results in me/L):		05/22/95 05/09/93, 05/10/ 05/11/95, 05/22/9 05/09/93, 05/10/	1U 0.01U 0.01U 0.1U	13	NA

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory bland (organics), Reported value less than Contract Required DL

but greate than or equal to instrument DL (inorganics)

- Duplicite analysis not within control limits

DL - Detection limit

E. - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

March Marc	Sample ID: PAT-4-95-C-5.0 Lab ID: PAT4C5 Elutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result vg/L	Acute Water Quality Criteria
Models 14 over	VOLATILE ORGANICS (SW846 8240);	Date Extracted	Trace Amany and			
Acception	Holding time: 14 days		5/8/95			17.00
Adjournment					- 69	
Financiar	Acrylonitrile			1000		645
Sounderine 100			 			
Proceedings			l	100		1825
Carbon Translations Carbon	Bromomethane					NA 161 000
Chimeres				10U		2780
October Octo	2-Chioroethylynnylether					
Citerotem	Chlorothane	 	 			NA .
17_Dishpercement	Chloroform					
1.5 Displacements		- 				10.825
1.1. Dischoreschare	1,1-Dichloroethane					
Discondistromethate			ļ			7460
1.3 mar Dischoresthylens	Dibromochloromethane			100		6730
St. Discovered	1.2-trans Dichloroethylene					
	cis-1 3-Dichloropropens					305
Exchinement 100	trans-1,3-Dichloropropene					
1,440 1,44	Ethylbenzene		 	100		26,000
Michylene Chleride 100 5.18 163	4-Methyl-2-Pentanone (MIBK)			100		11,840
Cartalborethylne	Methylene Chloride		ļ	100	6 JB	695
				100		1040
Column	1.1.1.2-Tetrachloroethane			100		NA INAN
1,1 -	Toluene	1		100		1650
College	1,1,1-Trichloroethane					
Vary Chiories	1,1,2-1 nonioroethane Trichloroethene (TCE)			100		2250
SEMPOLATILE ORGANICS (S.W46 8270); DS71095	Vinyl Chloride				.	
Holding film: 7 days to extract, 40 days to analyze	Xylenes (Total)			100		1033
Pinnel	Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/21/95			
13. Delaforebrazen	Phenol					30,000
3. Dichlorobenzane	2-Chlorophenol			100		\$60
2.Dichorospring 100	1.3-Dichlorobenzene					
Chebysphene			ł . 			820
A-Methylphener NA NA NA NA NA NA NA N	2-Methylphenol					
N. Nico-al-a-propylamine 100		-				1,343 NA
100	N-Nitroso-di-n-propylamine			100		
10		 	<u> </u>			
2-birophenol 100 1 6600	sophorone			100		10,400
2,4-Dicklorophenol 100 1,505 130	2-Nitrophenol					8,000
1,4-1 nchlorobenzene	2.4-Dichlorophenol			100		1,685
ACDisoraniline	1.2.4-Trichlorobenzene					
Hexachlorobutidiene 100	Naphthalene 4-Chloroaniline			100		NA
Chieve-J-methylphenol (p-chlore-m-cresol)	Hexachlorobutadiene					
	bis(2-Chloroethoxy)methane					
100 NA 100 NA	Hexachlorocyclopentadiene					
Chlorousphthalene	7.4.6- i nchlorophenol	-		300		100
Dimetryl phthalate	-Chloronaphthalene			100		NA
100 990 100	Dimethyl phthalate					
Aceraphthene 10U				160		990
Nitrophenol SOU 2,335	Acenaphthene	-				6.7
A.D. District of the state 100		 				2,335
Dictylphthalaite	.4-Dimirotoluene			100		1,390
NA NA NA NA NA NA NA NA	Diethylphthalate			100	D	4,000 NA
(A-Diurior-2-methylphenol NA	Chlorophenyl-phenylether	† -		100		NA
Bromophenyl-ph-cylether	,6-Dinitro-2-methylphenol			SOU		
DO	-Nirrosodiphenylamine	 		100		270
Interchorephenol SUU Intercept SUU Int	exachlorobenzene			100		NA.
DU	entachlorophenol	1				e (1.₩3(PH)=4,830) 5
100 105 100 105 100 105 100 105 100	inthracene	1		100		
10U NA 10U NA 10U 140						
100				100		NA
10 0.5	utylbenzyl phthalate			10U		
DU	3. Dichlorobenzidine	<u> </u>		200		NA 0.5
100	Turysene .			100		NA _
100 NA	is(2-Ethylhexyl)phthalate	1			2 J	NA 100
100	enzo(b)fluoranthene			100		NA
MA Mac	enzo(k)fluoranthene			100		NA NA
10U NA	enzo(a)pyrene (BaP)	+				
PROMOTE PROM				100		NA
enzidine 100U 295 2-Diphenyl-n-hydrazine 100U 15	enzo(g h.i merylene			100		NA 17 100
2. Diphenyl n. hydrazine 100U 15	-nirrosodin)elhylamine enzidine	 		1000		295
rnzyl Alcohol 100 NA	2-Diphenyl-n-hydrazine			1000		13
	enzyl Alcohol	 		100		NA .

Sample D: PAT-4-95-C-5.0 Lab D: PAT4C5 Elutriate Prep Date: 05/06/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ne/L	Acute Water Qual Criteria up/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/09/95	05/21/95			
henol	03/03/33	03/21/3	100		30,000
us (2-chloroethyl)ether -Chlorophenol		 	100		360
3-Dichlorobenzene			100		345 730
,4-Dichlorobenzene ,2-Dichlorobenzene			100		820
-Methylphenol			10U		NA 4,545
is(2-chloroisopropyl)ether -Methylphenol			100		NA
-Nitroso-di-n-propylamine			100		NA 60
lexachloroethane itrobenzene	 	-	100		4,040
rophorone			100	6.7	10,400 8,000
-Nitrophenol 4-Dimethylphenol			100	87	8,000
.4-Dichlorophenol			100		1,685
2,4-Trichlorobenzene aphthalene			100		130
Chloroanihne			100		NA NA
exachlorobutadiene s(2-Chloroethoxy)methane			100		IO NA
-Chioro-3-methylphenol (p-chioro-m-cresol)			100		153
exachlorocyclopentadiene 4,6-Trichlorophenol			10U 10U		
4,5-Trichlorophenol			300		100
Chloronaphthalene imethyl phthalate			10U 10U		NA 2,475
cenaphthylene			100		NA.
6-Dinitrotoluene cenaphthene			100		990 85
4-Dinitrophenol			30U		655
Nitrophenol 4-Dinitrotoluene			30U • 10U		2,335 1,590
ethylphthalate			100		4,000
Chlorophenyl-phenylether uorene			100		NA NA
6-Dinitro-2-methylphenol			SOU		NA
Nitrosodiphenylamine Bromophenyl-phenylether			100		295 270
exachlorobenzene			100		NA
ntschlorophenol tenanthrene			56U 10U		e (1.005(pH)-4,83
nthracene			100		ŇĀ
-n-butyl phthalate			100		105
uoranthene Tene			100		NA.
itylbenzyl phihalate P-Dichlorobenzidine			10U 20U		140 NA
nzo(a)anthracene			10		0.5
rysene s(2-Ethylhexyl)phthalate			100	8.7	NA NA
-n-octvl phthalate			10U		100
nzo(b)fluoranthene nzo(k)fluoranthene			10U 10U		NA NA
nzo(a)pyrene (BaP)			10U		NA
deno(1,2,3-cd)pyrene benz(a,h)anthracene			100		NA NA
nzo(g,h,i)perylene			100		NA
nitrosodimethylamine			100U		17,100 295
2-Diphenyl-n-hydrazine			1000		13
nzyl Alcohol			100		NA
STICIDES/PCBS (SW846 8080) Idding time: 7 days to extract, 40 days to analyze	05/09/95	05/14/95			
oha-BHC			0.03U		NA NA
B-BHC			0.03U		NA
mma-BHC (Lindane)			0.03U 0.03U		0.26
inn			0.05U		1.3
ptachlor Epoxide dosulfan l			0.03U 0.03U		0.5 0.11
ldrin			0.10U		1.25
-DDE Irin			0.10U 0.09U		0.53 0.09
tosulfan li			0.10U		0.11
-DDD (p.p-TDE) los_fan Sulfate			0.10U 0.10U		0.55 0.11
or in Surate -DDT hoxychlor			0.100		0.55
hoxychlor Irin Ketone		T	0.50U 0.10U		NA NA
irin Aldehyde			0.100		NA
na-Chlordane una-Chlordane	-		0.03U 0.03U		1.2
ex			0.100		NA
aphene clor-1016			1.00U 0.50U		0.37
clor-1221			0.50U		22
clor-1232 clor-1242			0.50U 0.50U		2
clor-1248			0.50U		<u></u>
clor-1254			0.500		2
clor-1260	1		0.300		2
SOLVED PESTICIDES/PCBS (SW846 8080)	1				
ding time: 7 days to extract, 40 days to analyze	05/09/95	05/24/95	0,05U		NA NA
a-BHC -BHC	1		0.05U		NA.
			0.03U 0.03U		NA
a-BHC				i	
uma-BHC (Lindane)	+		0.030		0,26
una-BHC (Lindane) tachlor rin			0.03Ü 0.03U		1.5
a-BHC (Lindane) una-BHC (Lindane) uschlor nn vachlor Epoxide lorulfan I			0.030		

Sample ID: PAT-4-95-C-5.0 Lab ID: PAT4C5 Elutriate Prep Date: 05/06/95	Data Parasa S	D.4. 4. 10	Method Detection Limit	Result	Acute Water Quality
4.X-DDE	11321e Extracted	Date Analyzed	0.100	ue/],	0.33
nchin			0.09U		0.09
Endosulfan II 4.4-DDD (p.p'-TDE)	 	ļ	0.10U 0.10U	 	0.11
Endosulfan Sulfate			0.10U		0.11
4,¢-DDT	<u> </u>		0.10U		0.55 NA
Methoxychlor Endrin Ketone	 	 	0.50U 0.10U	 	NÃ.
Endrin Aldehyde			0.10U		NA
alpha-Chlordane	- 	ļ	0.03U 0.03U	 	1.2
Marex			0.10U		NA
Toxaphene Arocior-1016			1.00U 0.50U		0.37
Aroclor-1016	 	 	0.50U	-	2
Aroclor-1232			0.50U		2
Aroclor-1242 Aroclor-1248			0.50U 0.50U	 	2
Aroclor-1254	 		0.300		2
Aroclor-1260			0.50U		2
	 	<u> </u>			
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):					ĺ
Holding time: 7 days to extract, 40 days to analyze	05/09/95	05/20/95	1,00	ļ	0.063
Parathion Onlorpyrifor	+		1.00	 	0.083
300/J/1/100	1				
DISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140)					
Holding time: 7 days to extract, 40 days to analyza	05/09/95	05/22/95	1.00	 	0.063
Parathion Discrepances	 	 	1.00	 	0.083
	 				
LLCOHOLS/ALDEHYDES (SW846 Modified 8015):	1			1	<u></u>
Holding time: None	 -	05/15/95		ļ	·
ormaldehyde	<u> </u>		\$000U		2180
-Propanol	 		5000U 5000U		227,750 443,165
-Propanol	 	 	3000	 	443,103
DISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	T				
lolding time: None		05/17/95			
ormaldehyde			5000U		2180
-Propanol -Propanol	 	ļI	30000		227,750 443,165
-11094101					113,103
NORGANICS - TOTAL METALS (SW846 6000/7000);	05/17/95	05/19/95			
folding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
Juninum			43.8U	238,000	750
unamony unserps	 		3.60 1.60	8.8 BN 71.6 N	88 360
Signam			7.90	2300	20,500
Seryllium	l		0.20U	3.6 B	NA NA
oron ladmium	 		34.9U 0,30U	238	8050 1.79
hromium III			10	343	984.32
obalt			2.IU 0.9U	161	95 9.22
opper ead	 		2.10	146 •	33.78
lercury	05/24/95	05/31/95	0.20U	0.32 *	2.4
ickel	 		3.8U 2.1U	326 8.2 N	789.01 20
elenium dver	 		0.600	2.1 BN	0.92
hallium			3.4U	9.3 B	63
anadium inc			1.2U 2.1U	453 1970 N*	515 65.04
ше			2.10	8 8 8 8 8 8 8 8 8 8 8 9 7 V B	05.04
NORGANICS - DISS, METALS (SW846 6000/7000):	05/17/95	05/25/95			
lolding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		Í	
hominum			43.80	18,900 EN*	750_
ntmony			3.60	77.5	88
rsenic			7.90	1000	20,500
rythum			0.200		NA.
лого			34.9U	514	8050
romum III			0.30U 1U	39	1.79 984.32
obalt			2.1U	11.2 B	95
ppoer			0.9U 2.1U	65.4 N 10.4 N°	9.22 33.78
वर्ष सरमार्	05/24/95	05/31/95	0.20U	0,20	2.4
ckel			3.80	20.5 B	789.01
lenium			2.1U 0.60U	2.1 B 0.60 UN	20 0.92
rer album			3.4U	0.00 UN	65
nadium			1.20	35.8 B	515
16			2.10	307 EN•	65.04
OPCANICE OTHER CO					
ORGANICS - OTHER (Results in me/L): Noride		05/22/95	טו	22	86,000
romum VI		05/09/95, 05/10/	0.01U		NA_
		05/11/95	0.010		22
anide			0.10	11,000	19 NA
rande val Kesidual Chlorine			10 1		
rande pul Kerdual Chlorine pul Suspended Solids		05/12/93	10	11,000	
zande na Rendual Chlorine nai Suspended Solids			10	11,000	
zanide vanide val Rendual Chlorine val Suspended Solide ISS. NORGANICS - OTHER Results in mr/L); valoride		05/12/93	ເບ	22	86,000
vanide sul Rendual Chlorine sul Suspended Solids (SS_NORGANICS - OTHER (Results in me/L); uloride suomium VI		05/12/93 05/22/95	1U 0.01U		NA
zanide vanide val Rendual Chlorine val Suspended Solide ISS. NORGANICS - OTHER Results in mr/L); valoride		05/12/93	ເບ		

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - militigrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

* - Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - 5p/zed sample recovery not within control limits

Blank spaces represent non-detected compounds.

ample ID: SFM-1-95-C-0.0 ab ID: SFM1C0 lutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ue/L	Result	Acute Water Quali Criteria un/L
OLATILE ORGANICS (SW846 8240):	Date Extraction	D'ELE PERSON AND			
olding time: 14 days	_	05/15/95			
setone			100	33	446,000
crolein			100U 100U		453 645
crylonutrile enzene			100		640
omodichloromethane			100		NA_
omoform			100		1825
omomethane			100		NA 161,000
Butanone (MEK)			100		2780
rbon Tetrachloride Chloroethylvinylether			100		17,300
dorobenzene			160		1180
doroethane			160		NA NA
Joroform			10U 10U		1945 NA
doromethane			100		10,825
2-Dichloropropane 1-Dichloroethane			100		NA NA
2-Dichloroethane			10U		15,440
-Dichtoroethene			100		7460
bromochloromethane			100		6750 1000
2-trans Dichloroethylene		l	100		303
-1.2-Dichloroethene			100		305
-1,3-Dichloropropene ns-1,3-Dichloropropene			100		2900
hylbenzene			10U		21,400
exanone			100		26,000 11,840
Methyl-2-Pentanone (MIBK)			100	2 ЛЕ	
thylene Chloride		 	100	<u>Z JE</u>	695
rrene trachloroethylene		 	100		1040
1.2-Tetrachloroethane			100		NA NA
,2,2-Tetrachloroethane			100		1040
luene			100		1650
,1-Trichloroethane ,2-Trichloroethane		L	100		3023
,Z-1 nchloroethane		 	300		2250
chloroethene (TCE) nyl Chloride			100		NA NA
riyi Catoride			100		1033
<u> </u>					
MIVOLATILE ORGANICS (SW846 8270): olding time: 7 days to extract, 40 days to analyze	05/15/95	05/23/95	100	_	100
enol		ļ	100		30,000
(2-chloroethyl)ether Chlorophenol			ioŭ		360
-Dichlorobenzene			100		345
-Dichlorobenzene			100		730
- Dichlorobenzene			100		820 NA
Methylphenol			100		4,545
(2-chloroisopropyl)ether			100		- NA
Methylphenol Nitroso-di-n-propylamine			100		NA
xachloroethane			TATE TO SERVICE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN T		
			100_		
robenzene			100		4,040
robenzene phorone			100		4,040 10,400
robenzene phorone livophenol			10U 10U		4,040 10,400 8,000 660
robenzene phorone «Irrophenol -Dimethylphenol			10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,685
robenzene phorone lirophenol Dumehylphenol Dichlorophenol			10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,685
robenzene phorone itrophenol Dunethylphenol Dichlorophenol 4-Trichlorobenzene ohthalten			10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,685 130
robenizene phorone itrophenol Durethylphenol Dichlorophenol 4-Tirchlorobenizene bithalene hlorosaniline			10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 135 NA
robenzene phorone ligophenol Dunchylphenol Dichlorophenol 4-Inchlorobenzene phitalene Diorouline stehlorouline			10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,685 130 135 NA
robenzene phorrone igrophenol Durchylphenol Dichlorophenol 4-Inchlorobenzene phiralene Illorousline Geschlorobustuiene			10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,685 130 133 NA 10
robenzene phorrone lipophenol Diumchylphenol Dichlorophenol 4-Tirchlorobenzene shirulene liloroxuline techlorobutudene 2-Culoroethoxy/methane hipor-xumehylibroni (n-chloro-m-cresol)			10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,685 130 135 NA
robenzene phorone inrophenol Dumchylphenol Dimchylphenol Dimchylphenol 4-Trichlorobenzene phidalene Niorosudine uchlorobusdiene 2-Culoroethoxy/methane Nioro-3-methylphenol (p-chloro-m-cresol) uchlorocylopentudiene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 135 NA 10 NA 155 5
robenzene phorone inrophenol Dunethylphenol Dinethylphenol Dichlorophenol 4-Trichlorobenzene bihdalene Inloroxuline scablorobutadiene 2-Culoroethoxy/methane Inlorox-Imethylphenol (p-chloro-m-cresol) scablorocyclopentadiene 6-Trichlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 130 NA 100 NA 135 5 5
robenzene phorone isrophenol Durethylphenol Direthylphenol Direthylphenol 4-Trichlorobenzene schulene Inforousiale eachlorobutudiene 2-Culoroethoxy)methane Inforo-3-methylphenol (p-chloro-m-cresol) eachlorocyclopentudiene 6-Trichlorophenol 5-Trichlorophenol 1-Trichlorophenol Inforonaphilialene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 135 NA 10 NA 155 5 100 NA
robenzene phorone lipophenol Dinchylphenol Dichlorophenol 4-Inchlorobenzene phitalene liloronuline schlorobutsdiene 2-Culoroethoxy/methane litoro-3-methylphenol (p-chloro-m-cresol) schlorobutsdiene 3-Inchlorophenol 3-Inchlorophenol 1-Inchlorophenol liloronaphitalene lilorophitalene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 138 NA 100 NA 155 3 100 NA
robenzene phorone lirophenol -Dunehylphenol -Dunehylphenol -Dunehylphenol -Dinhorophenol -A-Tirchlorobenzene phitalene -Riorosudine			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 135 NA 10 NA 155 5 100 NA
robenzene phorrone lipophenol Dienberophenol Dienberophenol A-Trichlorobenzene shirulene libroros-inerkiphenol A-Trichlorobenzene shirulene Locaruline Locaruline Locaruline Lochlorobutsdiene A-Caloroethoxy/methane libroros-inerkiphenol (p-chloro-m-cresol) Lochlorocyclopentudiene A-Trichlorophenol S-Trichlorophenol S-Trichlorophenol Indicaruphilialne Locaruphilialn			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,885 130 131 NA 100 NA 155 5 100 NA 2,475 NA 990
robenzene phorrone lirophenol Dunelhylphenol Dunelhylphenol Dinklorophenol 4-Tirklorobenzene phitalene litoroutline techlorobutudiene 2-Chloroethoxy/methane litoro-3-methylphenol (p-chloro-m-cresol) techlorocylopentudiene 6-Tirklorophenol Jirklorophenol Moronaphitudene techlorophenol Dinvisolitene litorohabutudiene Dinvisolitene Dinvisolitene Dinvisolitene Insphitalene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 8,000 660 1,683 130 135 NA 10 NA 10 NA 2,475 NA 990 83 655
robenzene phorone lirophenol Dumehylphenol Dimehylphenol Dimehylphenol A-Trichlorobenzene shidalene Niorosudine tachlorosbodiene Z-Culorosethoxy/methane Nioros-3-methylphenol (p-chloro-m-cresol) techlorosylopentadiene 6-Trichlorophenol 3-Trichlorophenol Mioronaphuludene techly phihalate maphthylene Dimitrophenol Dimitrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 131 NA 190 NA 155 5 100 NA 2,415 NA 990 83 655
robenzene phorrone irrophenol Durichlylphenol Durichlylphenol Dirichlorophenol 4-Trichlorobenzene phioroaudine schlorobuddiene 2-Culoroethoxy/methane hloroa-methylphenol (p-chloro-m-cresol) schlorocyphenol S-Trichlorophenol S-Trichlorophenol Horoa-phinidene schlylphinidene schylphinidene schylphinidene schylphinidene Duritrotoluene niphthene Duritrotoluene Duritrotoluene Duritrotoluene Duritrotoluene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 131 NA 10 NA 155 5 100 NA 2,475 NA 990 85 655 2,335
robenzene phorrone lipophenol Durchylphenol Dirchylphenol Dirchylphenol - Dirchylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 131 NA 110 NA 155 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000
robenzene phorzone lirophenol Durichlylphenol Durichlylphenol Dirichlorophenol 4-Tirchlorobenzene phitalene litorounline tachlorobutudiene 2-Chloroethoxy)methane litoro-methylphenol (p-chloro-m-cresol) tachlorocybenol dirichlorophenol 3-Tirchlorophenol bloronaphitulene tehlylphenol bloronaphitulene Diritrobluene miphithylene Diritrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,885 130 131 NA 100 NA 155 5 100 NA 2,475 NA 990 83 655 2,335 1,590 4,000 NA
robenzene phorrone ligophenol Durchylphenol Dirchylphenol Dirchylphenol Dirchylphenol 4-Inchlorobenzene phitalene lidoroutline schlorobutdiene 2-Culoroethoxy/methane hioro-3-methylphenol (p-chloro-m-cresol) schlorocyclopentadiene 6-Inchlorophenol 5-Inchlorophenol 1-Inchlorophenol Horonaphilalene schlylphitale maphthylene Dirutrophenol Dirutrophenol litrophenol litrophenol litrophenol Dirutrophenol Dirutrobluene insphitene Dirutrobluene litrophenol litrophenol litrophenol litrophenol litrophenol Dirutrobluene litrophenol Dirutrobluene litrophenol Dirutrobluene litrophenol Dirutrobluene litrophenol Dirutrobluene litrophenol Dirutrobluene litrophenol Dirutrobluene litrophenol Dirutrobluene litrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,685 130 131 NA 100 NA 135 5 100 NA 2,415 NA 990 85 655 2,335 1,390 4,000 NA NA
robenzene phorzone lirophenol Durchlylphenol Durchlylphenol Durchlylphenol Dirchlorophenol 4-Tirchlorobenzene phitalene litorounline tachlorobutudiene 2-Chloroethoxy)methane hloro-3-methylphenol (p-chloro-m-cresol) techlorocylopentudiene 6-Tirchlorophenol 3-Tirchlorophenol hloronaphitulene techlylphenol hloronaphitulene phitalene phitalene phitalene Diritrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,685 130 131 NA 100 NA 135 5 5 100 NA 2,415 NA 990 85 655 2,335 1,390 4,000 NA NA NA NA NA NA
robenzene phorrone igrophenol Dunchlyiphenol Dunchlyiphenol Dichlorophenol 4-Tirchlorobenzene hithalene Bloroaniline Eschlorobenzene hithalene Bloroaniline Eschlorocytosy/methane Bloroaniline Eschlorocytophenol (p-chloro-m-cresol) Eschlorocytophenol 6-Tirchlorophenol 6-Tirchlorophenol Firchlorophenol Bloroaniline Eschlorocytophenol Bloroaniline Eschlorocytophenol Dinitrobluene Eschlorocytophenol Dinitrobluene Dinitroblenol Dinitrobl			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 660 1,683 130 131 NA 100 NA 135 5 100 NA 2,413 NA 990 83 655 2,235 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone prophenol Dimethylphenol Dimethylphenol Dimethylphenol Dichlorophenol 4-Trichlorobenzene hithulene hitoroanline sichlorobutdiene 2-Culoroethoxy/methane hitoroanline sichlorobutdiene 3-Trichlorophenol Hitoro-y-inchlungene S-Trichlorophenol S-Trichlorophenol S-Trichlorophenol Dimethoroaphinidene sichly jahthalate naphtylene Dimitrophenol Dimitroph			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,683 130 130 131 NA 131 10 NA 135 5 100 NA 2,475 NA 990 83 6555 2,335 1,550 4,000 NA NA NA NA NA NA NA 2295
robenzene phorrone lirophenol Durchlylphenol Durchlylphenol Durchlylphenol Dirchlorophenol 4-Inchlorobenzene phitalene Richlorobutdiene 2-Calcroethoxy/methane Ricros-I-methylphenol (p-chloro-m-cresol) stehlorocy-clopentudiene 6-Inchlorophenol 5-Inchlorophenol 1-Inchlorophenol Ricros-I-methylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 130 131 NA 100 NA 155 5 100 NA 2,475 NA 990 85 655 2,235 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
oberizene phorrone irophenol Durchylphenol Durchylphenol Durchylphenol 4-Inchlorobenzene hithalene hlorosuline zehlorobutsdiene 2-Chlorothoxy)methane hloros-methylphenol (p-chloro-m-cresol) zehlorocylopentidiene 6-Inchlorophenol 5-Inchlorophenol 6-Inchlorophenol 6-Inchlorophenol Horonaphitulene zethyl phthalate naphthylene Duritroliuene Duritroliuene Duritroliuene irophenol Duritroliuene hylphidalate hylphidalate hylphidalate hylphidalate hylphidalate hylphidalate hylphidalate hylphidalate hylphidalate horophenyl-phenylether zene Duritro-2-methylphenol litrosodiphenylamine romoghenyl-phenylether sehlorobenizene sehlorophenol nauthrene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,885 130 131 NA 135 NA 155 5 100 NA 2,475 NA 990 85 655 2,335 1,396 4,000 NA NA NA NA NA NA NA PA 295 270 NA e (1,005(p))-4,830
robenzene phorrone igrophenol Durchtylphenol Durchtylphenol Durchtylphenol Dichlorophenol 4-Tirchlorobenzene Arbitalene Riorosanline acchlorobutudiene 2-Culoroethoxy/methane Rioros-Tirchlorophenol 1-Culoroethoxy/methane Rioros-Tirchlorophenol 1-Culoroethoxy/methane Rioros-Tirchlorophenol 1-Tirchlorophenol 1-Tirchlorophenol Rioronaphilialene Rivhyl phitalate Inaphthylene Dinitrophenol Dinitroblenen Inaphthene Dinitrophenol Dinitroblenene Dinitrophenol Dinitroblenene Dinitrophenol Introphenol Dinitroblenene Dinitrophenol Introphen			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 130 131 NA 100 NA 155 5 100 NA 2,475 NA 990 85 655 2,235 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone lirophenol Durchlylphenol Durchlylphenol Dirchlorophenol 4-Tinchlorobenzene phithalene litoroanline techlorobutsdiene 2-Cildoroethoxy)methane hioro-3-methylphenol (p-chloro-m-cresol) stechlorocytopensidene 6-Tinchlorophenol 3-Tinchlorophenol Horonaphitalene techloroxylphenol Dirutosoluene naphthylene Dirutosoluene Dirutosoluene lirophenol Dirutosoluene hylphitalate hylphitalate hylphitalate lirophenol Dirutosoluene lirophenol Dirutosoluene hylphitalate hylphitalate lirophenol lirosodiophenyl-phenylether rene Dirutosoluene hylphitalate hylphitalate horophenyl-phenylether rene oronophenyl-phenylether schlorobenzene schlorobenzene schlorobenzene schlorophenol mardurene hracene -buvry phitalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 131 NA 110 NA 155 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone irrophenol Diurchylphenol Diurchylphenol Diurchylphenol Dichlorophenol 4-Tinchlorobenzene hibrioaruline achiorobusdiene 2-Culorochoxy/methane hibros-amethylphenol (p-chloro-m-cresol) schlorocyclopentadiene 6-Tinchlorophenol 5-Tinchlorophenol 5-Tinchlorophenol Horonaphilalene twhyl phthalate naphthylene Dinitrophenol Diurtophenol irrophenol irrophenol Diurtophenol irrophenol Diurtophenol irrophenol irrophenol Diurtophenol irrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 660 1,683 130 131 NA 135 130 135 100 NA 135 5 100 NA 2,475 NA 990 85 655 2,235 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone igrophenol Durchlylphenol Durchlylphenol Durchlylphenol Durchlylphenol 4-Tirchlorobenzene hithulene Richlorobenzene hithulene Richlorobenzene hithulene Richlorobenzene hithulene Richlorobenzene hithulene Richlorobenzene A-Tirchlorophenol A-Tirchlorophenol A-Tirchlorophenol Richloropheno			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,883 130 131 NA 110 NA 131 15 5 5 100 NA 2,475 NA 990 85 6555 2,2335 1,390 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone lirophenol Durchlytjphenol Durchlytjphenol Durchlytjphenol Durchlytjphenol 4- Inchlorobenzene phitalene Richlorobutsdiene 2-Caloroethoxy/methane Richlorobutsdiene 3-Caloroethoxy/methane Richlorocytlopentudiene 6- Inchlorophenol 6- Inchlorophenol 7- Inchlorophenol Richlorophenol Richlorophenol Richlorophenol Richlorophenol Richlorophenol Richlorophenol Duritrotoluene Richlorophenol Duritrotoluene Richlorophenol Richloro			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 130 131 NA 110 NA 155 5 100 NA 2,475 NA 990 85 655 2,235 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
rebenzene phorone lipophenol Dienhorlophenol Dienhorlophenol Dienhorlophenol Dienhorlophenol A-I richlorobenzene phoroniume schlorobutsdiene (2-Chloroethoxy)methane hitoro-3-methylphenol (p-chloro-m-cresol) schlorobenol S-Trichlorophenol Allorophenol Moronaphilulene nelwyl phthalate maphitylene Dimitrophenol litrophenol litrophenol litrophenol Dimitrophenol litrophenol litrophenol litrophenol litrophenol litrophenol litrophenol litrophenol litrophenol-phenylether orene Dimitro-2-methylphenol litropodphenyl-phenylether schlorobenzene schlorobenzene schlorophenol muthtene hrecene phoryl phthalate phenyl phthalate struthene litrophonol l			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,683 130 131 NA 110 NA 1513 3 100 NA 2,473 NA 990 83 653 2,335 1,390 4,000 NA NA NA NA NA 2,95 270 NA 101 NA 105 NA 105 NA 106 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone lirophenol Durchlylphenol Durchlylphenol Durchlylphenol Durchlylphenol Jehorophenol 4-Inchlorobenzene phorrone litoroanline techlorobutdiene 2-Culoroethoxy/methane litoroanline techlorocyclopentadiene 6-Inchlorophenol 1-Inchlorophenol 1-Inchlorophenol Jinchlorophenol Durbroolene maphthylene Durbroolene maphthene Durbroolene maphthene Durbroolene maphthene Durbroolene maphthene Durbroolene maphthene Durbroolene maphthene Durbroolene maphthene Durbroolene maphthene Durbroolene maphthene Durbroolene maphthene anaphthene maphthene maphthene maphthene maphthene maphthene maphthene maphthene maphthene maphthene maphthene maphthene maphthene maphthene maphthene maphthene Durbroolene maphthene maphthene maphthene Durbroolene Durbroolene mathtene machicrophenylamine machicrophenol manthrene machicrop			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 131 NA 110 NA 151 5 100 NA 2,475 NA 990 83 655 2,335 1,590 4,000 NA NA NA NA NA 151 NA 153 NA 153 NA 155 NA
robenzene phorrone			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 8,000 6660 1,6835 130 130 131 NA 100 NA 2,473 NA 2,473 NA 990 83 653 2,333 1,590 4,000 NA NA NA NA NA NA NA NA 105 105 NA 205 NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone lipophenol Durchylphenol Durchylphenol Dichlorophenol 4-Inchlorobenzene hidrakene liboroutline schlorobutsdiene 2-Culoroethoxy/methane hioro-3-methylphenol (p-chloro-m-cresol) sichlorocyclopentadiene 6-Inchlorophenol 5-Inchlorophenol 1-Inchlorophenol Jirchlorophenol Diurtophenol Diurtophenol Diurtophenol Diurtophenol Diurtophenol litrophenol lit			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,683 130 131 NA 131 100 NA 135 3 100 NA 2,475 NA 990 93 655 2,235 1,390 4,000 NA NA NA NA NA NA NA 105 105 NA 105 270 NA e (1,005(pH)-4,830) NA 140 NA NA 140 NA NA 105 200 NA 140 NA NA 140 NA NA 105
robenzene phorrone lirophenol Durchlytphenol Durchlytphenol Durchlytphenol Durchlytphenol Durchlytphenol Durchlytphenol 4-Inchlorobenzene phorroniline (acchlorobundune 2-Culoroethoxy)methane litoro-3-methylphenol (p-chloro-m-cresol) (acchloroethoxy)methane litoro-3-methylphenol (3-Inchlorophenol (3-Inchlorophenol (3-Inchlorophenol Indronaphululene entityl phitalate maphthylene Durutooluene Indronaphululene Durutooluene Durutooluene Durutooluene Hylphitalate lalorophenyl-phenylether orene Durutoo-2-methylphenol iitroodiophenylamine orene Durutooluene Hylphitalate lalorophenyl-phenylether achlorobenzene tachlorobenzene tachlorobenzene tachlorobenzene tachlorobenzene brouty phitalate prene phene line phitalate phitalate phitalate poct) phitalate poct) phitalate poct) phitalate poct) phitalate poct) phitalate poct) phitalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,683 130 130 131 NA 131 10 NA 1313 3 100 NA 2,473 NA 2,473 NA 990 83 653 2,333 1,590 4,000 NA NA NA NA NA NA NA NA NA 105 105 NA 106 NA NA NA NA NA NA NA NA NA NA NA NA NA
rebenzene phorone lipophenol Dunethylphenol Dichlorophenol 4-Inchlorobenzene phitulene litoroaruline sachlorobutudiene (2-Culoroethoxy)methane litoro-3-methylphenol (p-chloro-m-cresol) sachlorocytophenol sachlorophenol sachlorophenol sachlorophenol litoroarphitulene nethyl phitulate maphitylene Dinitrophenol litrophe			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 130 131 NA 135 NA 135 100 NA 135 5 100 NA 2,475 NA 990 85 655 2,2335 1,1590 4,000 NA NA NA NA NA 105 270 NA 105 NA 105 NA 106 NA 107 NA 108 NA 108 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone igrophenol Durchlylphenol Durchlylphenol Durchlylphenol Durchlylphenol Durchlylphenol 4-Tinchlorobenzene khithalene Niorosanime acchlorobutudiene 2-Coloroethoxy/methane Niorosanime acchlorocyclopentudiene 6-Tinchlorophenol 6-Tinchlorophenol 1-Tinchlorophenol Nioronaphilialene enthyl phithalate maphilylene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene maphiliene Duritroluene Duritroluene maphiliene Duritroluene maphiliene machiorophenol mantiturene macene phorryl phithalate macene yelnenyl phithalate macene yelnene 7-Eurylhexyl)phithalate mortyl phithalate mortyl phithalate mortyl phithalate mortyl phithalate mortyl phithalate mortyl phithalate mortyl plutrala			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,683 130 130 131 NA 131 10 NA 131 15 3 100 NA 2,473 NA 2,473 NA 990 83 653 2,333 1,750 4,000 NA NA NA NA NA 101 105 NA 105 105 106 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone prophenol Durchylphenol Durchylphenol Durchylphenol Dichlorophenol 4-Tichlorobenzene hibritaria (achiorobenzene hibritaria (achiorobenzene hibritaria (achiorobenzene hibritaria (achiorobenzene hibritaria (achiorobenzene blitari			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1,683 130 130 131 NA 110 NA 135 5 100 NA 135 5 100 NA 2,475 NA 990 85 655 2,2335 1,1590 4,000 NA NA NA NA 105 270 NA 105 NA 105 NA 106 NA 107 NA 108 NA 108 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone lipophenol Dienchylphenol Dienklorophenol 4-Inchlorobenzene hidrokamine techlorobenzene hidrokamine techlorobenzene hidrokamine techlorobenzene hidrokamine (achlorobenzene) techlorocyclopentadiene (6-Inchlorophenol (6-Inchlorop			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,685 130 1315 130 130 1315 130 100 100 100 100 100 100 100 100 100
robenzene phorrone lirophenol Durchlylphenol Durchlylphenol Durchlylphenol Durchlylphenol Durchlylphenol 4-Inchlorobenzene phorrone lichorobudiene 2-Culoroethoxy/methane litoroxyline lichorocyclopentudiene 6-Inchlorophenol 1-Inchlorophenol 1-Inchlorophenol Infornaphilalene lichlylphilale lichlylphilale maphthylene Durltrophenol Introhenol Durltrollene maphthene Durltrophenol litrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 660 1.883 130 131 NA 135 NA 135 100 NA 155 3 100 NA 2,475 NA 990 85 655 2,335 1,390 4,000 NA NA NA NA NA 105 NA 105 NA 105 NA 105 NA 106 NA 107 NA 108 NA 108 NA 109 NA 100 NA NA 100 NA NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
robenzene phorrone lipophenol Dienchylphenol Dienklorophenol 4-Inchlorobenzene hidrokamine techlorobenzene hidrokamine techlorobenzene hidrokamine techlorobenzene hidrokamine (achlorobenzene) techlorocyclopentadiene (6-Inchlorophenol (6-Inchlorop			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		4,040 10,400 8,000 6660 1,685 130 1315 130 130 1315 130 100 100 100 100 100 100 100 100 100

ample ID: SFM-1-95-C-0.0 ab ID: SFM1C0 lutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ng/L	Result ve/L	Acute Water Qual Criteria up/L
ISS. SEMIVOLATILE ORGANICS (SW846 8770); olding time: 7 days to extract, 40 days to analyze	05/12/95	05/24/95			
nenol	0,12,7	031433	100		100
s(2-chloroethyl)ether Chlorophenol			10U 10U		30,000 360
3-Dichlorobenzene			100		345
4-Dichlorobenzene 2-Dichlorobenzene	_		100	· ·	730 820
Methylphenol			100		NA NA
s(2-chloroisopropyl)ether Methylphenol			100		4,545 NA
Nitroso-di-n-propylamine			10U		NA
exachloroethane trobenzene			100		60 4,040
ophorone			10U	1 78	10,400
Nitrophenol			100		8,000 660
4-Dimethylphenol 4-Dichlorophenol			IOU		1,685
2,4-Inchlorobenzene sphihalene			100		130
Chloroaniine			100		NA
xachlorobutadiene			100		10 NA
(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			100		133
rachlorocyclopentadiene			100		3
1,6-Trichlorophenol 1,5-Trichlorophenol			500		100
Chloronaphthalene			100		NA
methyl phthalate enaphthylene			100		2,475 NA
- Dinitrotoluene			100		990
enaphthene			10U 30U		85 635
I-Dinitrophenol Nitrophenol	- 		50U		2,335
-Dinitrotoluene			100		1,590
ethylphthalate Chlorophenyl-phenylether			100		NA
torché			100		NA
- Dinitro-2-methylphenol Nitrosodiphenylamine			30U 10U		NA 293
Promophenyl-phenylether			100		270
xachiorobenzene			10U 30U		NA • (1.005(pH)-4,83
ntschlorophenol enanthrene			100		3
thracene			100		NA 105
n-butyl phtialate toranthene	- 		100		200
rene			100		NA
tylbenzyl phthalate			10U 20U		NA
V-Dichlorobenzidine nzo(a)anthracene			าบ		0.5
rysene			10U 10U	3 7	NA NA
(2-Ethylhexyl)phthalate n-octyl phthalate			100		100
nzo(b)fluoranthene			100		NA NA
nzo(k)fluoranthene			100		NÃ.
naza (primoramore naza (primor			100		NA NA
benz(s,h,i)perylene			100	·	- ÑÃ
nitrosodimethylamine			100U		17,100
nzidine -Diphenyl-n-hydrazine			1000		293 15
nzyl Alcohol			10U		NA.
STICIDES/PCBS (SW846 8080) Iding time: 7 days to extract, 40 days to analyze	05/15/95	05/19/95			
№-ВНС а-ВНС			0.05U		NA NA
a-BHC us-BHC			0.05U 0.05U		NA NA
nma-BHC (Lindane)			0.03U		1
oschlor			0.03U 0.03U		0.26 1.5
rin Sachlor Epoxide			0.030		0.5
losulfan I			0.05U 0.10U		0,11 1,25
ldrin -DDE			0.100	0.27	0.33
ron			0.09U 0.10U		0.09
Joseph (S. 1994)			0.100		0.55
					0.11 0.33
orulfan Sulfate			0.100		
-DDT hoxychlor			0.10U 0.50U		NA
-DDT hoxychlor rin Ketone			0.10U 0.50U 0.10U		NA NA
-DDT horychlor rim Ketone rin Aldehyde			0.10U 0.50U 0.10U 0.10U 0.0SU		NA NA NA 1.2
-DDT frin Ketone rin Aldehyde			0.10U 0.30U 0.10U 0.10U 0.05U 0.05U		NA NA NA 1.2 1.2
-DDT boxychlor rin ketone rin Aldehyde			0.10U 0.50U 0.10U 0.10U 0.0SU		NA NA NA 1.2
-DDT borychlor lin ktone lin ktone lin Aldchyde li-Chlordane lin-Chlordane ex sphere ctor-1016			0.10U 0.30U 0.10U 0.10U 0.03U 0.03U 0.10U 1.00U 0.59U		NA NA NA 1.2 1.2 NA 0.37
-DDT borychlor lin Ketone lin Ketone lin Aldehyde lin Ald			0.10U 0.50U 0.10U 0.05U 0.05U 0.05U 0.10U 1.00U 0.50U 0.50U		NA NA NA 1.2 1.2 NA 0.37
-DDT borychlor lin Ketone lin Ketone lin Aldehyde uu-Chlordane uma-Chlordane ex usphene sclor-1016 clor-1221 clor-1232			0.100 0.500 0.100 0.100 0.050 0.050 0.100 1.000 0.500 0.500 0.500 0.500		NA NA NA 12 12 12 NA 0.37 2
-DDT borychlor lrin Ketone llin Aldehyde ta-Chlordane ma-Chlordane sing-Chlordane siphene siphene sicor-1016 clor-1212 clor-1242 clor-1248			0.10U 0.30U 0.10U 0.10U 0.03U 0.03U 0.10U 1.00U 0.30U 0.50U 0.50U 0.50U 0.30U	632	NA NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2 2
-DDT borychlor bin Ketone lin Kldehyde han 2-Dlordane mma-Chlordane sex suphene sclor-1016 sclor-1221 sclor-1232 sclor-1242 sclor-1248 sclor-1248			0.100 0.500 0.100 0.100 0.050 0.050 0.100 1.000 0.500 0.500 0.500 0.500	0.52	NA NA NA 12 12 NA 0.37 2 2
-DDD (p.pTDE) foralfan Sulfate -DDT thoxychlor fam Ketone fan Aldehyde fan Alde			0.100 0.500 0.100 0.100 0.050 0.050 0.100 1.000 0.500 0.500 0.500 0.500 0.500 0.500 0.500	0.52	NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2
-DDT	Actions	aspass	0.100 0.500 0.100 0.100 0.050 0.050 0.100 1.000 0.500 0.500 0.500 0.500 0.500 0.500 0.500	0.52	NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2
-DDT borychlor lin Ketone lin Ketone lin Ketone lin Ketone lin Aldehyde us-Chlordane mas-Chlordane ex saphene clor-1016 clor-1221 clor-1232 clor-1242 clor-1248 clor-1248 clor-1254 clor-1260 SOLVED PESTICIDES/PCBS (SW846 8080) ding time: 7 days to extract, 40 days to analyze us-BHC	03/18/95	05/2095	0.100 0.50U 0.10U 0.10U 0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U	0.52	NA NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2
-DDT borychlor lin Ketone lin Ketone lin Ketone lin Ketone lin Aldehyde us-Chlordane mas-Chlordane ex saphene clor-1016 clor-1221 clor-1232 clor-1242 clor-1248 clor-1248 clor-1254 clor-1260 SOLVED PESTICIDES/PCBS (SW846 8080) ding time: 7 days to extract, 40 days to analyze us-BHC	05/18/95	05/2095	0.10U 0.50U 0.10U 0.10U 0.03U 0.03U 0.03U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U	0,32	NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2
-DDT borychlor lin Keone lin Aldehyde u-Colordane ma-Chlordane ma-Chlordane cs. sphene clor-1016 clor-1271 clor-1232 clor-1242 clor-1248 clor-1254 clor-1260 SOLVED PESTICIDES/PCBS (SW846 8080) ding time: 7 days to extract, 40 days to analyze a-BHC -BHC -BHC	05/18/95	05/2095	0.10U 0.50U 0.10U 0.10U 0.03U 0.03U 0.03U 0.100 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U	0,52	NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 1 2 1 2 1 2
-DDT borychlor lin Ketone lin Aldehyde a-Clordane ma-Chlordane ma-Chlordane ex sphene clor-1211 clor-1221 clor-1232 clor-1242 clor-1243 clor-1254 clor-1254 clor-1254 clor-1256 british and british and british and british solution and british and b	05/18/93	05/2095	0.10U 0.50U 0.10U 0.10U 0.05U 0.05U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U	0,52	NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 3 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
-DDT borychlor bin Ketone lin Kldehyde han 2-Dlordane mma-Chlordane sex suphene sclor-1016 sclor-1221 sclor-1232 sclor-1242 sclor-1248 sclor-1248	05/18/95	05/2095	0.10U 0.50U 0.10U 0.10U 0.03U 0.03U 0.03U 0.100 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U	0,52	NA NA NA NA 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

iample ID: SFM-1-95-C-0.0 .ab ID: SFM1C0 Clutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit neft.	Result	Acute Water Quali Criteria ug/L
4-00E	Date Extracted	Date Apart and	8€/L 0.10U		0.33
nd-m			0.09U 0.10U		0.09
ndorulfan II ,4-DDD (p,p'-TDE)			0.100	 	0.33
ndorulfan Sulfate	+		0.100		0,11
4'-DDT			0.10U 0.50U		0.55 NA
lethexychlor	 		0.100	 	NA.
ndrin Ketone ndrin Aldehyde	 		0.100		NA .
pha-Chlordane			0.05U		1.2
aruma-Chlordane			0.03U		1,2 NA
irex	 		0.10U 1.00U		0.37
oxephene rocior-1016	 		0.300	 	2
rocior-1221			0.50U		2
rocior-1232			0.50U 0.50U		
roctor-1242	 		0.300		
rodor-1248 rodor-1254			0.300	 	2
roctor-1260			0.50U		2
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):					
olding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95			
ustrion			1.60		0.065
nlogymios			1.00	ļ	0.083
	+				
ISS ORGANOPHOSPHORUS COMPOUNDS (SW846 8140)	05/18/95	05/25/95		I	
olding time: 7 days to extract, 40 days to analyze		V,2,2,7,3	1.00	1	0.063
historymios	1	<u> </u>	1.00		0.083
COHOLS/ALDEHYDES (SW846 Modified 8015):		,		1	
olding time: None		05/17/95		1	
armaldehyde	T		5000U		2180
ropunol	1		3000U		227,750
Рторало			5000U		443,165
	·			 	
SS, ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	İ				
olding time: None		05/18/95	5000U	ļ	2180
rmaldehyde Propanol			3000U	 	227,750
Topanol			3000U		443,165
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
WITH THE CONTRACT OF THE CONTR		and sampling	43.8U	116,000	750
тытопу	1		3.6U	3.6 UN	88
senc			1.60	106 N	360 20,500
num	 		7.9U 0.20U	1290 N°	20,300 NA
rylaun ron	 		34.90	187	8050
dmain			0.30U	19.4	1.79
rocaium III			10	1073	984.32
balt	 		2.1U 0.9U	85.2 B	95
pper ad			2.10	939 •	33,78
reary	3/26/95, 5/31/95	06/05/93	0.20U	h de de la constante de la con	2.4
ka			3.8U	197 EN	789.01
cum			2.1U 0.60U	10.0 N 22.0 N	20 0.92
YE .	 		3.40	6.5 BN	65
nadrum	 		1.20	532 EN	515
×			2.10	2120 EN*	65.04
ORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95	!		
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		L	
E-WALLE			43.8U	580 *	750
timony	—		3.6U 1.6U	5.3 B	88 160
rene	 		7.90	211	20,300
yloum	1		0.20U		NA
TOQ			34.9U	117	8030
T-UR			0.30U	4	1.79 984.32
onsum III	 		1U 2,1U	 	95
pelt	 		0.90	48.4	9.22
£			2.10	11.7	33.78
roury	05/24/95	05/31/93	0.20U		2.4
ke	 	l	3.8U 2.1U		789.01 20
Tium 'er			0.600	0.60 UN	0.92
e			3,40		63
nacium			1.20	12.5 B	513
			2.10	82.2	65.04
	 			 	
ORGANICS - OTHER (Results to me/L):	1		1 U	19	86,000
oride	 	05/12/95 05/12/95	0.010		NA.
omun VI	1	05/22/95	0.01U		22
a Residual Chlorine		05/12/95	0.10		19
a! Suspended Solids		05/12/95	10	3280	NA NA
				 	
**************************************		1	. 1		86,000
		05/1000	'		
oride		05/12/95	1U 001U	19	
oride orium VI		05/12/95	0.010	19	NA 22
SS. NORGANICS - OTHER (Results in mp/L): locide promum Vi stode strict s				19	NA .

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

ug/L - miligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

bet greater than or equal to instrument DL (inorganics)

- Deplected analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

SOLATILE DEGANICS (SYP46 E140): Initialize than 14 days Initialize than 14 days Initialize than 14 days Initialize than 14 days Initialize than 14 days Initialize than 14 days Initialize than 15 days Initialize than 15 days Initialize than 15 days Initialize than 15 days Initialize than 15 days to statest, 40 days to statest Initialize than 15 days to statest, 40 days to statest Initialize than 15 days to statest, 40 days to statest Initialize than 15 days to statest, 40 days to statest Initialize than 15 days to statest, 40 days to statest Initialize than 15 days to statest, 40 days to statest Initialize than 15 days to statest, 40 days to statest Initialize than 15 days to statest, 40 days to statest Initialize than 15 days to statest, 40 days to statest Initialize than 15 days to statest Initialize than 1	i Detection Limit ue/L	Result ug/L	Acute Water Quali Criteria ug/l.
accord of cyloride colors of cyloride c			
copies control	TATT	52	446,000
cylorimic areas and a second color of the seco	10U	32	455
monothioromethane monothing monothioromethane monothing	100Ú		645 640
response (AEK) respon	100		NA NA
Senanore (MEX) serion i erachloride chorectivy injustice locations of the serion is a serion in the serion in the serion is a serion in the serion in the serion in the serion is a serion in the serion in the serion in the serion in the serion is a serion in the s	100		1825
South of the control	100		NA 161,000
Chieroethyrinylicher biorechaine Dichloroethai	100		2780
Johnstoners Johnstoners	100		17,500
Jordonne Jordon	10U 10U		NA
J.Dicklorosethane J.Di	30U		1945
Dickhlorosthane	100		NA 10,825
Tokshoresthane	10U		NA
bomochloromethane January Chilorocchime January Ch	10U		13,440 7460
Lawa Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. Dickloroschylens J. J. J. Ternichloroschylens J. J. J. Ternichloroschylens J. J. J. Ternichloroschylens J. J. J. Ternichloroschylens J. J. J. Ternichloroschylens J. J. J. J. Ternichloroschylens J. J. J. Ternichloroschylens J. J. J. J. Ternichloroschylens J. J. J. J. Ternichloroschylens J. J. J. J. J. J. J. J. J. J. J. J. J.	100	 	6750
13.Dichloropropropens 13.	100		1000
ass J. Dichloropropone by the transme International Control of the Control of t	100		303
Stylemann	100		2900
drylene Chloride writel overlylene writel overlylene writel overlylene writel overlylene 1,2 Tenchlorochane 1,3 Tenchlorochane 1,4 Tenchlorochane 1,5 Tenchlorochane 1,6 Tenchlorochane 1,6 Tenchlorochane 1,6 Tenchlorochane 1,6 Tenchlorochane 1,7 Tenchlorochane 1,7 Tenchlorochane 1,8 Tenchlorochane 1,7 Tenchlorocha	100	ļ	21,400
drylene Chloride wickloroethylene 1,12-Terabloroethane 1,12-Terabloroethylether 1,12-Terabloroe	100	<u> </u>	11,840
1,1 7,1	10U	2 ЛВ	NA 693
1,2,7 transhprochane	100	<u> </u>	1040
	100		NA 1040
1.1.Trichloroschane	10U		1650
	100		3025
Chloroschene (TCE)	10U		3390 2250
Interest (Total)	10U		1 2250 NA
MIVOLATILE ORGANICS (SW846 8170); obling time: 7 days to extract, 40 days to snahyze (72-dhoroethyl)ether (73-dhoroethyl)ether (74-dhoroethyl)ether (75-dhoroethyl)ether (75-dhoroethyl)ether (75-dhoroethyl)ether (76-dhoroethyl)ether (77-dhoroethyl)ether (77-dhoroethyl)ether (78-dhoroethyl)ether		1053	
OSJ1395 OSJ1			
		ĺ	1
	100		100
Dichlorobenzene	100		30,000
Dichlorobenzene	100		343
(1-chloroscopropy) cher	100		730
(2-chlorospyropyl)ether	10U	ļ	820 NA
Methylphenol	10U		4,545
	10U		NA NA
Importance Imp	100		60
Springer Springer	10U		4,040 10,400
-Dichlorophenol	100		8,000
-Dichlorophenol	100		1,685
Chioroniline Chio	10U 10U		130
	100		135
(2-Chlorosethoxy)methane	100		NA 10
Display Disp	100	ļ	NA NA
1,6-1 richlorophenol 1,5-1 richlorophenol	10U		155
S. Tichlorophenol S.	10U		3
Choronaphthalene	300		100
International Process	10U 10U		NA 2,475
Commission Com	100		NA
cmaphthene	100		990
Simple S	10U 30U		85 655
Dinitrotoluene	50U		2 335
Chlorophenyl-phenylether	100		1.390
10 10 10 10 10 10 10 10	10U		4,000 NA
Dinitro-2-methylphenol	100		NA_
	30U 10U		NA 295
	100		270
1	10U 50U		NA • (1.003(pH)-4,83)
Directe	100	<u> </u>	
10 10 10 10 10 10 10 10	100		ŇA
10 10 10 10 10 10 10 10	100		103
	100		NA .
2-Dichlorobenzidine	100		140
10 1 1 1 1 1 1 1 1 1	200		0,3
(2-Ehylhexyl)phthalate 10 n-ocryl phthalate 10 xxxx(b)fluoranthene 10 xxx(c)fluoranthene 10 xxx(a)fluoranthene 10	100		NA .
eno(1,2,3-cd)pyrene (BaP)	100		NA
eno(12.3-ed)pyrene (BaP)	100		100 NA
eno(12.3-ed)pyrene (BaP)	100		NA NA
	100		NA NA
enz/a h)enthracene	100		NA.
profe h ibnerviene	00U		NA 17,100
nitrosodimethylamine IV	800 		293
Dimberyl-n-hydrazine 100	000 100		13 NA

... S. 2...

ample ID: SFM-1-95-C-1.0 ab ID: SFM1C1 Llutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit up/L	Result ug/L	Acute Water Qu Criteria ve/L
ISS. SEMIVOLATILE ORGANICS (SW846 8270):					
olding time: 7 days to extract, 40 days to analyze henol	05/12/95	05/24/95	100		100
s(2-chloroethyl)ether			100		30,000
-Chlorophenol 3-Dichlorobenzene		1	100	 	560 345
4-Dichlorobenzene			100		730
2-Dichlorobenzene Methylphenol		 	100		820 NA
s(2-chloroisopropyl)ether			100	†	4,545
Methylphenol			100 -		NA NA
-Nitroso-di-n-propylamine exachloroethane		 -	100	 	. 60
igropenzena			100		4,040
ophorone Nitrophenol		 	100	2 7B	10,400 8,000
4-Dinethylphenol 4-Dichlorophenol			100		660
4-Dichlorophenol 2,4-Trichlorobenzene			100		1,683
aphthalene			100	<u> </u>	135
Chloroaniline			100		NA IO
exachlorobutadiene s/2_bloroethoxy/methane		 	100	 	NA.
s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			100		133
			100		
4.5-Trichlorophenol		 	30U		100
4,6-Trichlorophenol 4,5-Trichlorophenol Chloromphthalene			100		NA.
imethyl phthalate cenaphthylene		 	100		2,475 NA
6-Dinitrotohiene			100		990
cenaphthene			10U 30U		83 655
4-Dinitrophenol Nitrophenol		 	SOU	<u> </u>	2,335
4-Dinitrotoluene ethylphthalate			100		1,390
ethylphthalate Chlorophenyl-phenylether			100	 	4,000 NA
porene		I	100		NA
S-Dinitro-2-methylphenol Nitrosodiphenylamine			50U 10U		NA 293
Nitrosodiphenylamine Bromophenyl-phenylether		 	100		270
xachlorobenzene			100		NA
ntschlorophenol		 	50U 10U		e (1.003(pH)-4,8
enanthrene nthracene		 	100		ŇĀ
-n-butyl phthalate			100		103
uoranthene		 	100		200 NA
rene Hylbenzyl phthalate		1	100		140
3'-Dichlorobenzidine			20U 1U		NA 0.5
nzo(a)anthracene urrene		 	100		NA
s(2-Ethylhexyl)phthalate			100	10	NA
-n-octyl phthalate nzo(b)fluoranthene		 	100		NA
nzo(k)fluoranthene			100		NA
nzo(a)pyrene (BaP) deno(1,2,3-cd)pyrene		ļ	100		NA NA
deno(1,2,3-cd)pyrene		 	100		- NA
benz(s.h.)perylene nzo(g.h.)perylene nitrosodimethylamine			100		NA
nitrosodimethylamine nzidine		 	1000		17,100 295
2-Diphenyl-n-hydrazine			1000		15
nzyl Alcohol			100		NA.
STICIDES/PCBS (SW846 8080)					
olding time: 7 days to extract, 40 days to analyze	05/15/95	05/19/95	•	ļ	
ha-BHC	0,1,2,5	03/15/73	0.05U		NA
s-BHC			0.030		NA.
ta-BHC nma-BHC (Lindane)		 	0.03U 0.03U		NA J
ptachlor			0.03U		0.26
trin puchlor Epoxide			0.05U 0.05U		1.5
losulfan I		 	0.030		0.11
ldrin			0.100		1.25
-DDE Irin		T	0.10U 0.09U	0.26	0.35
iosulfan II			0,100		0.11
-DDD (p.p'-TDE)			0.10U		0.33
osulfan Sulfate -DDT	1	 	0.10U 0.10U		0.11 0.55
hoxychlor			0.300		NA.
irin Ketone Irin Aldehyde			U010.		NA NA
na-Chlordane			0.030		1,2
una-Chlordane			0.05U		1.2
ex aphene			0.10U 1,00U		0.37
clor-1016			0.50U		2
clor-1221 clor-1232		T	0.50U 0.50U	T	2
clor-1232			0,30U		
clor-1248			0.50U		2
clor-1254 clor-1260			0.50U 0.50U	0.60	2 2
SOLVED PESTICIDES/PCBS (SW846 8080)					
ding time: 7 days to extract, 40 days to analyze	05/18/95	05/20/95	0.03U		NA NA
a-BHC -BHC	- 		0.03U		NA NA
			0.05U		NA
-BHC			0.030	1	
a-BHC ma-BHC (Lindane)	- 				n 74
a-BHC ura-BHC (Lindane) tachlor tin			0.03U 0.03U		0.26
a-BHC una-BHC (Lindane) tachior			0.0SU		

Sample ID: SFM-1-95-C-1.0 .ab ID: SFM1C1 Clutriate Prep Date: 05/09/95			Method Detection Limit	Result	Acute Water Qua Criteria
.₹-DDE	Date Extracted	Date Analyzed	92/L 0.100	ug/L	ue/L 0.55
ndrin			0.09U		0.09
ndosulfan II			0.10U		0.11
4-DDD (p,p-TDE)			0.10U 0.10U	 	0.53
ndorulfan Sulfate 4'-DDT			0.100		0.55
	- 	 	0.300		NA
ethoxychlor ndrin Ketone			.010U		NA
ndrin Aldehyde			0.10U		NA.
pha-Chlordane			0.05U 0.05U		1.2
umna-Chlordane urex			0.100	 	NÃ
nex exaphene			1.000		0.37
rocior-1016	<u> </u>		0.50U		2
roclor-1221			0.500		2
roclor-1232			0.500		2
roclor-1242			0.50U 0.50U		
oclor-1248		 	0.300		
oclor-1254 oclor-1260			0.300	 	ž
00011200					
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):			· · · · · · · · · · · · · · · · · · ·	1	
	05/15/95	05/24/95	,		
olding time: 7 days to extract, 40 days to analyze		032473	1.00	 	0.065
lorpynlos			1.00	1	0,083
2019/12/09					
SS, ORGANOPHOSPHORUS COMPOUNDS (SW846 814	0):				
olding time: 7 days to extract, 40 days to analyze	05/18/95	05/25/95			
rathion			1.00		0.065
dorpynfos			1.00	 	0.083
		 		 	
COHOLS/ALDEHYDES (SW846 Modified 8015):	ı			1	
olding time: None		05/17/95		ļ	
rmaldehyde			· 5000U	<u> </u>	2180
Propanol			5000U		227,750
ropanol			3000U		443,165
		<u> </u>		 	
SS. ALCOHOLS/ALDEHYDES (SW846 ModUled 8015):	ļ	l		· i	
olding time: None		05/18/95	5000U	 	2180
rmuldehyde			3000U		227,750
ropanol			3000U	<u> </u>	443,165
1094101					
ORGANICS - TOTAL METALS (SWB46 6000/7000);	05/18/95	05/20/95		1	
	1				
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	129,000	750
uminum			3.60	3.3 BN	88
namony servic	- 	<u>-</u>	1.60	186 N	360
num			7.90	1320 N°	20,300
ryllium	1		0.20U	3.3 B	NA.
ron			34.9U	198	8050
dmium	_		0.30U	21.7	1.79 984.32
romun III			1U 2.1U	104 B	95
balt	 		6.90	909 N*	9.22
pper id			2.10	1400	33.78
тешу	5/26/95, 5/31/95	06/05/95	0.20U	1414 STR 4 10 5.4 14 14 14 1	2.4
kel			3.8U	224 EN	789.01
enium			2.10	15.6 N	20
ver		<u> </u>	0.600	35.3 N	0.92
dhun	+	ļ -	3.4U	3.6 BN	65 515
nadium	+	 	1.2U 2.1U	882 EN 2260 EN	
<u> </u>	+	 	4.10	The Section of the Se	03.04
ODGILLION DICC MEDITE COMMISSIONS	057005	5/25/95, 5/31/95			
ORGANICS - DISS. METALS (SW846 6000/7000);	05/19/95				
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	674 •	730
minum	 	 	43.8U 3.6U	°/4 *	88
enic	 	 	1.60	6.0 B	360
num .	<u> </u>		7.90	276	20,300
yllium			0.20U		NA NA
on			34,90	214	8050
mium			0.30U	11	1.79 984.32
omium III			1U 2.1U	 	984.32
palt oper	 		0.90	34.7 8 8	9.22
d	J		2.10	18.9	33,78
cury	05/24/95	05/31/93	0.200	0.20	2.4
tel			3.80		789.01
mium	 		2.1U 0.60U	0.60 UN	20 0.92
er Ilium			3.40	U.OU UN]	63
uum adium			1.20	18.2 B	515
			2.10	126	65.04
ORGANICS - OTHER (Results in mg/L):				1	
oride	<u> </u>	05/12/95	IV	19	86,000
omium VI		05/12/95	0.010		NA.
nide		05/22/93	0.01U		22
l Residual Chlorine		05/12/95	0.10	100 - I	19
al Suspended Solids	- 	05/12/95	<u> </u>	490	NA
	 				
S. INORGANICS - OTHER (Results in me/L):	1	05/22/95	יטו	19	86,000
oride		03/12/93	0.010	19	
Amum VI					
omium VI		05/22/93	0.010		22
omium VI nide al Residual Cidorine al Suspended Solids		05/22/95 05/12/95 05/12/95			22 19

Definitions:

NA - Not Available

ag/L - micrograms per Liter, parts per billion

mg/L - micrograms per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in Aboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (morganics)

* Duplicate analysis not within control limits

DL - Detection himit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

:

Sample ID: SFM-1-95-C-3.3 Lab ID: SFM1C3 Elutriate Prep Date: 05/09/95	Date Extracted	Data Anabrasi	Method Detection Limit ug/L	Result	Acute Water Qualit Criteria ug/L
VOLATILE ORGANICS (SW846 8240):	pate Etuacieo	Date Analyzed	WE/L	DE/L	WE/II
Holding time: 14 days	_	05/15/95			
Acetone			100	47	446,000 455
Acrolein Acryloniarile		 	1000		643
senzene			100		640 NA
Bromodichloromethane Bromoform		 	100		1823
Promomethane			100		NA
-Butanone (MEK)			100		161,000 2780
arbon Tetrachloride -Chloroethylvinylether			100		17.500
hlorobenzene			100		II80 NA
hloroethane hloroform		 	100		1943
hloromethane			100		NA.
2-Dichloropropane ,1-Dichloroethane		 	100		10,825 NA
2-Dichloroethine 1-Dichloroethene			100		15,440
,1-Dichloroethene			100		7460 6750
ibromochloromethane 2-trans Dichloroethylene			100		1000
B-12-Dichloroethene			100		305 305
s-13-Dichloropropene ans-13-Dichloropropene	 	 	100		2900
thylbenzene			100		21,400
-Hexanone		 	100		26,000 11,840
Methyl-2-Pentanone (MIBK) fethylene Chloride			100	2 ЛВ	NA.
Tyrene			100		693 1040
etrachloroethylene 1,1,2-Tetrachloroethane		 	100		NA NA
1,2,2-Tetrachloroethane			100		1040
oluene			100		1650 3025
1.1-Trichloroethane			100		3390
nchloroethene (TCE)			100		2250 NA
inyl Cilonde ylenes (Total)		-	100		1033
Yene (10m)					
EMIYOLATILE ORGANICS (SW846 8270): lolding time: 7 days to extract, 40 days to analyze	05/15/95	05/23/95	100		100
henol s(2-chioroethy1)ether		 	100		30,000
Chlorophenol			100		360
3-Dichlorobenzene		 	100		345 730
4-Dichlorobenzene 2-Dichlorobenzene			100		820
2-Dichlorobenzene Methytphenol			100		NA NA
s(2-chloroisopropy1)ether Methylphenol		 	100		4,543 NA
-Nitroso-di-n-propylamine			100		NA.
exachloroethane		ļ	100		60 4,040
itrobenzene cophorone			100		10,400
Nitrophenol			100		8,000 660
4-Dinethylphenol 4-Dichlorophenol		 	100		1,683
2,4-Inchlorobenzene			100		130
aphthalene Chloroaniline			10U 10U		135 NA
exachlorobutadiene			100		10
s(2-Chloroethoxy)methane			100		NA 133
Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene			100		- 3
4.6-Inchlorophenol			100		5
4,5-Trichlorophenol Cr!oronaphthalene		1 1			
		·	300		100
inethyl phthalate			30U 10U 10U		100 NA 2,475
rnethyl phthalate cenaphthylene			300 100 100 100		100 NA 2,475 NA
methyl phthalate cenaphthylene 6-Dimitrotoluene			300 100 100 100 100 100		100 NA 2,475 NA 990 85
methyl phthalate eznaphtylene 5-Dimrotoluene eznaphthene 4-Dimrotophenol			300 1000 1000 1000 1000 1000 5000		100 NA 2,475 NA 990 83 653
metry philatate exaphitylene 5-Dinitrololuene exaphithene 4-Dinitrophenol Nitrophenol			50U 10U 10U 10U 10U 50U 50U		100 NA 2,475 NA 990 85 655 2,335
metry philatate emphhylene 5-Dimrotoluene emphhylene 4-Dimrotoluene 4-Dimrotoluene Nirophenol Nirophenol 4-Dimrotoluene			50U 10U 10U 10U 10U 50U 50U 50U		100 NA 2,475 NA 990 83 655 2,335 1,590 4,000
metry philatate exapshylene 5 Dintrotoluene exapshene 4 Dintrotoluene 4 Dintrotolueno introphenol 1 Dintrotolueno ethylphilatat Chlorophenyl-phenylether			50U 10U 10U 10U 10U 50U 50U 50U 10U		100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA
metry phinate emphhylene 5-Dintrotolume emphhylene 4-Dintrotolene 4-Dintrotolene Mirophenol Mirophenol 6-Dintrotolene ethylphthalate Chlorophenyl-phenylether norene			500 100 100 100 100 100 500 500		100 NA 2,475 NA 990 85 655 2,335 1,390 4,000 NA NA
metryi phitatate eraphhylene 5-Dintrotoluene ezaphthene 4-Dintrotoluene 4-Dintrotoluene ezaphthene 4-Dintrotoluene ezhylphthalate Chlorophenyl-phenylether ouene 5-Dintrot-2-methylphenol Nitrophenylamine			50U 10U 10U 10U 10U 10U 50U 50U 10U 10U 10U 10U 10U		160 NA 2,475 NA 990 85 635 2,335 1,390 4,000 NA NA
metry philate exapshylene 5 Drintvolouene exapshylene 4 Drintvolouene exapshylene 6 Drintvolouene exapshylene 6 Drintvolouene extylphilate Chlorophenyl-phenylether owene 5 Drintvo-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether			50U 10U 10U 10U 10U 50U 50U 50U 10U 10U 10U 10U 10U 10U		100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 295 270
metry philatate exapshylene 5-Dintrotolutes exapshene 4-Dintrotolutes exapshene 4-Dintrotolutes exhylentol 4-Dintrotolutes ethylphilate Chloropheny-phenyletter owene 5-Dintro-2-methylphenol Nitrotodiphenylamine Bromophenyl-phenyletter Bromophenyl-phenyletter Bromophenyl-phenyletter Bromophenyl-phenyletter Bromophenyl-phenyletter Bromophenyl-phenyletter			50U 10U 10U 10U 10U 10U 50U 50U 10U 10U 10U 10U 10U		100 NA 2,475 NA 990 85 653 2,335 1,590 4,000 NA NA NA
metry philate exapshylene S-Durivolouene exapshylene L-Durivolouene exapshene L-Durivolouene exhylphilate Chlorophenyl-phenylether lorene S-Durivo-2-methylphenol Nitrosodiphenylamine lorenophenyl-phenylether lorenophenyl-phenylether lorenophenyl-phenylether lorenophenyl-phenylether lorenophenyl-phenylether lorenophenyl-phenylether lorenophenyl-phenylether lorenophenyl-phenylether lorenophenyl-phenylether lorenophenyl-phenylether lorenophenol enantrene			50U 10U 10U 10U 10U 10U 50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		100 NA 2,475 NA 990 83 655 2,335 1,590 4,000 NA NA NA NA 295 270 NA e (1.005(pH)-4,830)
methyl philatate erapshbylene 5 Dintrotoluene ezapshbene 6 Dintrotoluene ezapshbene 6 Dintrotoluene ezapshbene 6 Dintrotoluene ezhylphilatate Chorophenyl-phenylether corene 5 Dintrot-Z-methylphenol Nitrotodiphenylamine Bromophenyl-phenylether ezapshorobertzene michlorophenol enaptirene thiracene			50U 10U 10U 10U 10U 10U 50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		100 NA 2,475 NA 990 85 655 2,335 1,390 4,000 NA NA NA NA 295 270 NA e (1.005(pH)-4,830)
metryl philatate exapshbylene 5 Dintrotolpune exapshbene 4 Dintrotolpune exapshbene 4 Dintrotolpune exhylphthalate Chlorophenyl-phenylether ourene 5 Dintro-2-methylphenol Nitrotodphenylamine Bromophenyl-phenylether exachlorobenzene nachlorophenol exapshorophenol exapshorophenol ethiacene			900 100 100 100 100 100 100 100 100 100		100 NA 2,475 NA 990 85 653 2,335 1,350 4,000 NA NA NA NA NA 295 270 NA e (1.005(pH)-4,830) 5 NA
metryl philatate exapshbylene 5 Drintvotoluene exapshbene 4 Drintvotoluene exapshbene 4 Drintvotoluene exapshbene 6 Drintvotoluene extylphilatate Chlorophenyl-phenylether owene 5 Drintvo-2-methylphenol Nitrosodiphenylamine Bromophenyl-phenylether exactioroberazene machlorophenol enundrene tilyazene			50U 10U 10U 10U 10U 10U 50U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		100 NA 2,475 NA 990 83 653 2,335 1,390 4,000 NA NA NA NA 295 270 NA (1.005(pH)-4,830) 5 NA
unethyl phihalate ecasphhylene 6-Dinivotoluene ecasphinene 4-Dinivotoluene ecasphinene 4-Dinivotoluene echylphihalate Chlorophenyl-phenylether sorene 6-Dinivot-2-methylphenol Nivosodiphenylamine Bromophenyl-phenylether aschlorobenzene machlorophenol enandurene ethylphihalate on-benyl phihalate on-benyl phihalate on-benyl phihalate on-soryl phihalate orandurene ethiracene -n-benyl phihalate orandurene tren			SOU 10U 10U 10U 10U 10U 10U 10U 10U 10U 10		100 NA 2,475 NA 990 83 653 2,335 1,390 4,000 NA NA NA NA NA 293 270 NA (1.005(pH)-4,830) 5 NA 105 200 NA
unethyl phihalate censphhylene 6-Dintrotolutene censphinene 4-Dintrotolutene 4-Dintrotolutene 6-Dintrothenol Nirophenol 4-Dintrotolutene iethylphthalate Chlorophenyl-phenylether merse 6-Dintro-2-methylphenol Nirosodiphenylamine Bromophenyl-phenylether caschlorobernetene machiorophenol enanfurene mituracene -n-benyl phihalate sorrathene rene rene rene rene rene rene rene			SOU 10U		100 NA 2,475 NA 990 83 653 2,335 1,390 4,000 NA NA NA NA NA 105 270 NA (1.005/pH)-4,830) NA 105 200 NA 140 NA 0,5
unethyl phihalate ecasphhylene 6-Dinivosoluene ecasphihene 4-Dinivosoluene ecasphihene 4-Dinivoshenol Nirophenol Adminosoluene echylphihalate Colorophenyl-phenylether socrae 6-Dinivo-2-methylphenol Nirosodiphenylamine Bromophenyl-phenylether sackloroberizene muchiorophenol enanörene thiracene -n-buyl phihalate oprandene trine eritherusyl phihalate sorandene trine tylbenyl phihalate Johichoroberizidine muo (Jandhrucene trysene			SOU 10U 10U 10U 10U 10U 10U 10U 10U 10U 10		100 NA 2,475 NA 990 85 655 2,335 1,390 4,000 NA NA NA NA NA 105 200 NA 105 200 NA
unethyl phihalate ecapahhylme 5 Dintrotohume enaphthene 4 Dintrotohume enaphthene 4 Dintrotohume enaphthene 4 Dintrotohume ethylphihalate Chlorophenyl-phenylether uorene 6 Dintrot-2-methylphenol Nirosediphenyl-phenylether anchlorobenzene machlorobenzene machlorophenol enantwene ethylphihalate bornathene trene tylphenyl-phihalate 5 Dichlorobenzidme moot jambalate 5 Dichlorobenzidme moot jambalate 1 Dichlorobenzidme moot jambalate yryene (2 - Ethylbacene yryene (3 - Ethylbacene yryene (3 - Ethylbacene)			SOU 10U		100 NA 2,475 NA 990 85 655 2,335 1,390 4,000 NA NA NA NA NA 105 270 NA 105 200 NA 140 NA 140 NA 140 NA 140 NA 140 NA 160 NA
unethyl phthalate cenaphthylene 6-Dinitrotoliume cenaphthene 4-Dinitrotoliume cenaphthene 4-Dinitrotoliume (entylphthalate (Chlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrotodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrotodiphenyl-mine Bromophenyl-phenylether exachlorobenzene nachtorophenol tenandurene nutriacene -n-burly phthalate uoranthene trene 1/Dichlorobenzidine moo() landmacene uyrsene (2-Ethylhexyl) phthalate -n-octyl phthalate			SOU 10U 10U 10U 10U 10U 10U 10U 10U 10U 10		100 NA 2,473 NA 990 83 653 2,335 1,590 4,000 NA NA NA 295 270 NA (1.005(pH)-4,830) 5 NA 105 200 NA
unethyl phihalate ecasphhylme 6-Dinivrolohume ecasphhylme 4-Dinivrolohume ecasphhene 4-Dinivrophenol Nirrophenol 4-Dinivrolohume ethylphhalate Chlorophemyl-phenylether ocean 6-Dinivro-2-methylphenol Nirroscdiphenylamine Bromophenyl-phenylether exachloroberizene michlorophenol etandurene thracene enhorophenol ethylphenol ethylphihalate -n-boryl phihalate 1-Dichlorobenzidine michlorobenzidine		SOU 10U		100 NA 2,475 NA 990 83 653 2,335 1,350 4,000 NA NA NA NA 293 270 NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA	
unethyl phihalate ecasphhylme 6-Dinivrolohume ecasphhylme 4-Dinivrolohume ecasphhene 4-Dinivrophenol Nirrophenol 4-Dinivrolohume ethylphhalate Chlorophemyl-phenylether ocean 6-Dinivro-2-methylphenol Nirroscdiphenylamine Bromophenyl-phenylether exachloroberizene michlorophenol etandurene thracene enhorophenol ethylphenol ethylphihalate -n-boryl phihalate 1-Dichlorobenzidine michlorobenzidine		SOU 10U 10U 10U 10U 10U 10U 10U 10U 10U 10		100 NA 2,475 NA 990 83 635 635 2,335 1,350 4,000 NA NA NA NA NA 295 270 NA 6(1.005(pH)-4,830) 5 NA 105 200 NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA	
unethyl phthalate cenaphthylene 6-Dinitrotolutene cenaphthene 4-Dinitrotolutene cenaphthene 4-Dinitrotolutene (chapthene) 4-Dinitrotolutene (chylphthalate Chlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrotodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrotodiphenyl-phenylether exachlorobertzene muchlorophenol tetundurene nitriacene nitriacene 1-Dichlorobertzente rene 1-Dichlorobertzente rene 1-Dichlorobertzente much of the state of th			SOU 10U 10U 10U 10U 10U 10U 10U 10U 10U 10		100 NA 2,473 NA 990 83 653 2,333 1,390 4,000 NA NA NA NA 100 NA 140 NA 105 105 140 NA 140 NA 140 NA NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
unethyl phthalate cenaphthylene 6-Dinitrotoliume cenaphthene 4-Dinitrotoliume cenaphthene 4-Dinitrotoliume cenaphthene 4-Dinitrotoliume cethylphthalate Chlorophenyl-phenylether uorene 6-Dinitrotoliume cethylphthalate Dinitrotoliume cethylphthalate Dinitrotoliume Ritrotodiphenylamine Rromodiphenylamine Rromodiphenylamine Rromodiphenylamine Rromodiphenylamine machlorophenol cenanturene cenapturene cen			SOU 10U		100 NA 2,475 NA 990 83 653 2,335 1,390 4,000 NA NA NA NA NA 105 270 NA (1.005(pH)-4,830) 3 NA 105 200 NA 140 NA NA NA NA NA NA NA NA NA NA NA NA NA
unethyl phihalate ecasphhylme 6 Dinivololume ecasphhylme 6 Dinivololume ecasphhene 4 Dinivololume ecasphine 4 Dinivololume echylphihalate Chlorophenyl-phenylether uorene 6 Dinivo-2-methylphenol Nivosodiphenyl-phenylether echylphihalate Bromophenyl-phenylether aschlorobenzume machlorophenol ecandurene ethylphenol ecandurene ethylphenol ecandurene ethylphenol ecandurene ethylphenol ecandurene ethylphenol ecandurene ethylphenol ecandurene ethylphihalate ecriphenol ecandurene ethylphihalate ecriphenol economic econ			SOU 10U		100 NA 2,475 NA 990 85 653 2,335 2,335 1,390 4,000 NA NA NA NA 100 100 NA 140 NA 140 NA 140 NA 140 NA 140 NA 140 NA 140 NA 140 NA 140 NA 150 100 NA NA 17,100
unethyl phthalate cenaphthylene 6-Dinitrotolutene cenaphthene 4-Dinitrotolutene cenaphthene 4-Dinitrotolutene (chapthene) 4-Dinitrotolutene (chylphthalate Chlorophenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrotodiphenyl-phenylether uorene 6-Dinitro-2-methylphenol Nitrotodiphenyl-phenylether exachlorobertzene muchlorophenol tetundurene nitriacene nitriacene 1-Dichlorobertzente rene 1-Dichlorobertzente rene 1-Dichlorobertzente much of the state of th			SOU 10U		100 NA 2,475 NA 990 85 655 2,335 1,390 4,000 NA NA NA NA NA 105 270 NA 105 5 NA 105 200 NA 140 NA 140 NA 140 NA 160 NA 160 NA 17,100

.

ample ID: SFM-1-95-C-3.3 ab ID: SFM1C3 :lutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Qua Criteria ug/L
ISS. SEMIVOLATILE ORGANICS (SW846 8270); olding time: 7 days to extract, 40 days to analyze	05/13/95	05/24/95	:		
nenol	03/13/75	03/14/73	100		100 30,000
s(2-chloroethyl)ether Chlorophenol			100		360
3-Dichlorobenzene			100		343 730
4-Dichlorobenzene 2-Dichlorobenzene			100		820
Methylphenol			100		NA
s(2-chloroisopropyl)ether			100		4,545 NA
Methylphenol Nitroso-di-n-propylamine			100		NA NA
exachloroethane			100		60
trobenzene			100		4,040 10,400
ophorone Nitroph <i>e</i> nol			100		8,000
t Dimathulahanol			100		660
- Dichlorophenol 2,4 Trichlorobenzene			100		1,683
phthalene			IOU		133
hioroanihne			100		NA IO
zachlorobutadiene (2-Chloroethoxy)methane		ļ	100		- NA
Chloro-3-methylphenol (p-chloro-m-cresol)			100		155
zachlorocyclopentadiene			100		3
I,6-Trichlorophenol		I	300		100
Chloronaphthalene			100		NA 2,475
methyl phthalate enaphthylene			10U -		NA NA
-Dinitrotoluene			100		990
enaphthene			10U 30U	<u></u>	655
-Dinitrophenol Nitrophenol			30U		2,333
- Divitrotohiene			100		1,390 4,000
ethylphthalate Chlorophenyl-phenylether			100		NA
porene			100		NA.
-Dinitro-2-methylphenol			30U 10U		NA 295
Nitrosodiphenylamine Bromophenyl-phenylether			100		270
xachlorobenzene			TOU		NA NA
ntschlorophenol			30U 10U		e (1.005(pH)-4,8°
enanthrene ithracene			100		NA NA
n-butyl phthalate			100		103
poranthene			10U 10U		200 NA
rene rylbenzyl phihalate			100		140
'-Dichlorobenzidine			20U		0.3
nzo(a)anthracene rysene			100		NA.
(2-Ethylhexyl)phthalate			100		NA 100
n-octyl phthalate nzo(b)fluoranthene			100		- 100 -
and Museum theme			100		NA
nzo(a)pyrene (BaP)			100		NA NA
nazo(a)pyrene (BaP) leno(1,2,3-cd)pyrene benz(a,h)anthracene			100		NA.
nzo(g.h.)perylene			100		NA 12 160
nitrosodimethylamine		 	100U 100U		17,100 295
l-Diphenyl-n-hydrazine			1000		13
nzyl Alcohol			100		NA NA
STICIDES/PCBS (SW846 8080) Iding time: 7 days to extract, 40 days to analyza	05/15/95	05/19/95			
ha-BHC			0.05U 0.05U		NA NA
a-BHC ra-BHC			0.050		NÃ.
nma-BHC (Lindane)			0.05U		7
ptachlor			0.05U 0.05U		0.26
irin Prachlor Epoxide			0.03U		0.5
iosulfan I			0.030		0.11
Idrin -DDE			0.10U 0.10U		0.55
irin .			0.0917		0.09
iosulfan II			0.10U 0.10U		0.11
-DDD (p.p'-TDE) losulfan Sulfate			0.100		0.11
-DDT			0.10U 0.30U		0.55 NA
tho xychlor Irin Ketone			0.500		
nn Aldehyde			0.10U		NA
u-Chlordane			0.05U 0.05U		1.2
ıma-Chlordane ex			0.10U		NA NA
aphene			1.000		0,37
clor-1016			0,50U 0,50U		+
clor-1221 clor-1232			0.300		2
clor-1242			0,50U 0,50U		2 2
clor-1248 clor-1254			0.30U		1 2
clor-1254			0.30U		<u></u>
					ļ
SOLVED PESTICIDES/PCBS (SW846 8080)	05/18/95	05/20/95			1
ding time: 7 days to extract, 40 days to analyza	03/16/93	CANTAGO	0.03U		NA NA
a-BHC -BHC			0.03U		NA.
a-BHC uma-BHC (Lindane)			0.03U 0.03U		NA.
una-Dric (Linguie)			0.030		0.26
vachlor		'			
nn rachlor			0.030		1.5
otachlor im pachlor Epoxide lorulfun					

ample ID: SFM-1-95-C-3.3 ab ID: SFM1C3			Method Detection		Acute Water Qua
Jutriate Prep Date: 05/09/95	Data Primara	Date Analyzed	Limit	Result ug/L	Criteria
A'-DDE	Date Extracted	Date Visitord	0.100	UE/ID	ue/L 0.33
ndrin			0.09U		0.09
ndosulfan il			0.10U 0.10U		0.11
4'-DDD (p.p'-TDB) ndosulfan Sulfate	 	 	0.100	 	0.11
4'-DDT	—		0,100		0.55
ethoxychlor ndrin Ketone			0.50U		NA.
ndrin Ketone		 	.010U 0.10U		NA NA
ndrin Aldehyde pha-Chlordane			0.030		1.2
amma-Chlordane			0.050		1.2
irex			0.10U 1,00U		NA 037
oxaphene rocior-1016			0.300		2
rocior-1221			0.300		2
roclor-1232			0.50U 0.50U		2
roclor-1242 roclor-1248		 	0.300		
roclor+1254			0,300		2
roclor-1260	Π		0.500		2
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):	1				
olding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95	1.00		0.063
rathion dorpyrifes		 	1.00		0.083
BOTP/title-					
ISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 814)	0):				
olding time: 7 days to extract, 40 days to analyze	05/18/95	05/25/95	1.00	ļ	0.065
ration		 	1.00	 	0.063
lorpynios				<u> </u>	0.002
LCOHOLS/ALDEHYDES (SW846 Modified 8015):	<u> </u>				
	1 _	05/17/95		ļ	
olding time: None		1	SOCOU		2180
rmaldehyde Propanot		 	3000U	 	227,750
Propanol			3000U		443,165
ISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):		000000			
olding time: None smaldchyde	 	05/18/95	3000U		2180
Propanol			3000U		227,750
Propanol			30000		443,165
					
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	292,000	750
uminum numony			3.6U	9.0 BN	88
remot .			1.60	83.9 N 1880 N*	360
num			7.9U 0.20U	1880 N°	20,500 NA
ryllium ron			34.90	296	8050
dmium			0,30U	6.0	1.79 984.32
romium III			10	756	984.32 95
balt			2.10 0.90	221 10	9,22
pper ad				172 •	33.78
rcury	5/26/95, 5/31/95	06/05/95	2.1U 0.20U	0.44	2,4
kel			3.8U 2.1U	395 EN 2.1 UN	789.01 20
enium ver			0.600	2.1 UN 2.0 BN	0.92
allium			3.4U	7.2 BN	63
nadium			1.20	389 EN 1390 EN	515 65.04
16			2.10	1390 EN	83.04
ODCANICS DISC METALS STORE COMMONN.	05/19/95	5/25/95, 5/31/95			
ORGANICS - DISS. METALS (SW846 6000/7000):	all except Hg	all except Hg		1	
lding time: 6 mo. (28 days Hg)	an except Hg	au except Mg	43.8U	40,800 *	750
timony			3.60		88
remit			1.60	17.1 758	360 20,500
jum -disum			7.9U 0.20U	6.4	70,300 NA
ylliun on	 		34.9U	62.2 B	8050
lmoum			0.30U	0.98 B	1.79
omium III			1U 2.1U	89 42.7 B	984.32 95
pet per	+	-	0.90	86.6	9.22
d			2.10	89.9	33.78
cury	05/24/93	05/31/95	0.200	53.8	2.4 789.01
kel enium	 		3.8U 2.1U	5.1	20
enium Ver			0.60U	0.60 UN	0.92
Himm			3.4U 1.2U	130	63
radium .	·		2.10	130	65.04
<u> </u>				A	
ORGANICS - OTHER (Results in me/L):					
oride		05/12/95	10		86,000
omium VI		05/12/95 05/22/95	0.01U		NA 22
inide al Residual Chlorine	+	05/12/95	0.010		19
al Suspended Solids		05/12/93	, iŭ	13,900	NA
SS, INORGANICS - OTHER (Results in me/L);	}	050000	.,.	1	0
oride omium VI	 	05/12/95 03/12/93	1U 0.01U	11	86,000 NA
	 	05/22/95	0.010		22
nide					
unide al Residual Chlorine al Suspended Solids		05/12/95 05/12/95	0.10 10	108	19 NA

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Brimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

E - Erimated value because of the presence of interference

N - Spiked rample recovery not within control limits

Blank spaces represent non-detected compounds.

aple ID: SFM-1-95-C-6.4 o ID: SFM1C6 triste Prep Date: 05/09/95	Date Extracted	Date Analyzad	Method Detection Limit ug/L	Result ue/L	Acute Water Quali Criteria ve/L
ATILE ORGANICS (SW846 8240):	Date Extracted	Date Allairad	9,70		
	l _	05/15/95			_
ling time: 14 days		1	100	35	446,000
olego .			100U 100U		455
/lonerile			100		640
zene noci::hloromethane			100		NA NA
noferm			100		1825 NA
nor:ethane			100		161,000
utunone (MEK) pon Tetrachlonde		 -	iõŬ		2780
hloroethylvinylether			100		17,500 1180
probenzene		 _	100		NA NA
proettane proform		 	100		1945
orotomi orotomana			TOU		NA.
Dichloropropane			100		10,825 NA
Dichloroethane		 	100		13,440
Dichloroethane Dichloroethene		·	100		7460
romochloromethane			100		6750
trans Dichloroethylene		 	100		303
2-Dichloroethene 3-Dichloropropene		 	100		303
s-13-Dichloropropene			100		2900 21,400
ylberzene			100		21,400
examine		 	100		11,840
ethyl-2-Pentanone (MIBK) hylene Chloride			IOU	2 Л	NA NA
ene		<u> </u>	100		693
achioroethylene		 	100		NA _
1,2-Tetrachloroethane 2,2-Tetrachloroethane		<u> </u>	100		1040
pene			100		1650
I-Trichloroethane			100	-	3025 3390
2-Inchloroethane		 	100		2250
hloroethene (TCE) yl Chloride			100		NA.
enes (Total)			100		1033
		 			
MIVOLATILE ORGANICS (SW846 8270); ding time: 7 days to extract, 40 days to analyze	05/15/95	05/23/95	100		100
nol 2-c:Joroethyl)ether		<u> </u>	100		30,000
hlorophenol			100		560 345
Dichlorobenzens		 	100		730
Dichlorobenzene Dichlorobenzene		 	100		820
ethylphenol			100		NA NA
2-chloroisopropyl)ether		<u> </u>	100		4,545 NA
lethylphenol			100		NÃ.
hiroso-di-n-propylamine achioroethane			100		- 60
oberzene			100		10,400
horone		 	100		8,000
itrop.ienol Dimethylphenol			10U		660
Dichlorophenol			100		1,685
4-Trichlorobenzene		 	100		133
hthalene hloroaniine		 	100		NA .
achlorobutadiene			10U		10
2-Chloroethoxy)methane hloro-3-methylphenol (p-chloro-m-cresol)		ļ	100		NA 155
hloro-3-methylphenol (p-chloro-m-cresol)		 	100		- 3
schlorocyclopentadiene 6-Trichlorophenol			100		5
S-Thahlorophenol			50U 10U		100 NA
hloronaphthalene		 	100		2,475
nethyl phthalate naphthylene			100		NA
Directolohene			10U		990 85
naphthene		 	10U 50U		633
Din rophenol itrophenol		† · · · · · · · · · · · · · · · · · · ·	50U		2,335
Directoluene			100		1,390
thylohthalate		1	10U 10U	L	4,000 NA
hlorophenyl-phenylether		}	100) NA
orene Diruco-2-methylphene			50U		NA.
litrosodiphenylamine			100		293 270
romophenyl-phenylether		 	100		NA.
schlorobenzene tachiorophenol		t	300		e (1.005(pH)-4,83
nantirene		ļ	100		NA NA
hracene		 	100		103
n-buryl phthalate			100		200
ene		ļ	100		140
ylbenzyl phthalate		 	10U 20U	<u> </u>	140 NA
Dichlorobenzidine zo(a)unthracene		 	100		0.3
and a waithmarker		 	100		NA_
veene .			100		NA 100
vrene			100		100 NA
ysene 2-Et-ylhexyl)phthalate n-octvl phthalate		 			17/
ysene 2-Et:ylhexyl)phthalate n-octvl phthalate 2001)flooranthene					NA
yrene 2-EE-ylhexyl)phthalate n-octyl phthalate 200 b)thoranthene 200 c)thoranthene			100		NA.
yrene			10U 10U		NA NA
yrene			10U 10U 10U 10U		NA NA NA
yrene 2-Et-ylhexyl)phthalate n-coryl phthalate 220() horanthene 220() horanthene 220() hyrene (BAP) 220() hyrene (BAP) 220() hyrene			10U 10U 10U 10U 10U 10U		NA NA NA NA 17,100
yrene			10U 10U 10U 10U		NA NA NA NA

Sample ID: SFM-1-95-C-6.4 Lab ID: SFM1C6			Method Detection	1	Acute Water Quality
Elutriate Prep Date: 05/09/95	Date Primeted	Date Analyzed	Limit ve/L	Result ug/L	Criteria
4,4-DUE	Date Extracted	Date Analyzed	0.100	The state of the s	ue/L 0.55
Endrin Endorulfan II	 		0.09U 0.10U		0.09
44-DDD (p.p-1DE) Endossifan Solfate			0.10U 0.10U		0.35 0.11
Endomifan Sulfate 4,4'-DDT		 	0.100		0.53
Methexychlor			0.50U .010U		NA NA
Endrin Ketone Endrin Aldehyde		 	0.10U	 	NA NA
alpha-Chlordane			0.03U 0.03U		1.2
gamma-Chlordane Mirez	 		0.10U		NA
Toxaniene Arocky-1016			1.00U 0.30U		0.37
Arocior-1221			0.300	<u> </u>	2
Aroclor-1232			0.50U 0.50U	 	
Arodor-1242 Arodor-1248			0.50U		į
Aroclor-1254			0.50U 0.50U	ļ	- 2
Arocior-1260	· · · · · · · · · · · · · · · · · · ·	t	0.500		
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):				1	
Holding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95			
Paratison			1.0U	 	0.065
Chlespynios			7.00		
DISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):l			1	
Holding time: 7 days to extract, 40 days to analyze Parattoon	05/18/95	05/26/95	1.0U		0,065
Chloryvillos			1.00		0.083
ALCOHOLOUI DEHANDE CHRIS M. MR. J. SALD.	 		· · · · · · · · · · · · · · · · · · ·		
ALCOHOLS/ALDEHYDES (SW846 Modified 8015): Holding time: None	l _	05/17/95			
Formaldshyde	-	- 0211111	5000U	· · · · · ·	2180
I-Propanol			5000U		227,750
2-Propanol		ļ	30000	 	443,163
DISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):		1			
Holding time: None		05/18/95	5000U		2180
Formaldehyde 1-Propanol	 		3000U		227,750
2-Procented			5000U		443,165
NODGINIOS TOTAL METALS STRUCT (ANAGAAN)	05/18/95	05/20/95		 	
INORGANICS - TOTAL METALS (SW846 6000/7000):	all except Hg	all except Hg			
Holding time: 6 mo. (28 days Hg) Ahu:::num	a traping	an excepting	43.8U	204,000	750
Альтопу	I		3.6U 1.6U	3.6 UN 53.8 N	88 360
Агвегре Вагишт			7.90	1500 N°	20,500
Berylicum			0,20U 34,9U	3.5 B 226	NA 8050
Boron Cadminn			0.30U	32 B	1.79
Ouronnum III Cobali		 	1U 2.1U	468 122 B	984,32 95
Copper			0.90	170 N°	9.22
Lead Marary	5/26/95, 5/31/95	06/03/93	2.1U 0.20U	97,6 •	33,78 2.4
Nickel	32073,200,2	55575	3.8U	263 EN	789.01
Selection Silver	 		2.1U 0.60U	3.8 BN	0.92
l halium			3.4U	5.0 BN	63
Vanaditim Zine			1.2U 2.1U	383 EN 892 EN*	515 65.04
NORGANICS - DISS, METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95] .	
Holding time: 6 ma. (28 days Hg)	all except Hg	all except Hg	23 811	acceptation in the second	750
Atamenam Anamony	 		43.8U 3.6U	1350	750 88
Arsenc			1.6Ŭ 7.9U	186 B	360 20,300
Barrium Servizium	 		0,20U		NA
Boron	4		34.9U 0.30U	187	8050 1,79
Cadmium Chromium III	 		0.30U 1U		984.32
Obali	1		2.10	148 *	93 9.22
Copper Jead	 		0.9U 2.1U	6.1	33.78
Mercury	05/24/95	05/31/93	0.20U 3.8U		2.4 789.01
vickel	 		2.10	<u> </u>	20
Silver			0.60U 3.4U	0.60 UN	0.92
halirum sna-tum	 		3.4U 1.2U	4.4 B	65 515
inc			2.1U	125	65.04
NORCHNICS OTHER Combines and h				 	
NORGANICS - OTHER (Results in me/L): Dioride		05/12/95	10	9	86,000
Direction VI		05/12/95 05/22/95	0.01U 0.01U		NA · 22
yande otal kesidual Chlorine	 	05/12/95	0.010		19
otal Suspended Sobids		03/12/95	10	7440	NA
NOR INORGANICS OTHER Comits is 4).	 	 +		 	
DISS_INORGANICS - OTHER (Results in mp/L);	11	05/22/95	10	9	86,000
Aroneum VI		05/12/95	0.0IU		NA 22
vamide					
vande on: Kendual Chlorine ou! Suspended Sonds		05/12/95 05/12/95	6.IU IU	0,2	19 NA

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Erimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

bet greater than or equal to Instrument DL (inorganics)

- Deplicate analysis not within control limits

DL - Detection limit

E - Erimated value because of the presence of interference

N - Spitch sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: SFM-2-95-C-0.0 Lab ID: SFM2C0 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ve/L	Acute Water Quality Criteria ug/J,
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days		05/15/95		<u> </u>	446,000
Acetone Acrolean		 	100	36	446,000
Acrylonitrile			1000		645
Benzene Bromodichloromethane		ļ	100	<u> </u>	640 NA
Вготобления изме			10U		1825
Bromomethane			100	ļ	NA 161,000
2-Butanone (MEK) Carbon Tetrachloride		 	100		2780
2-Chloroethylvinylether			100		17300
Chlerobenzene			10U		1180 NA
Chlorocitane Chloroloma			100		1945
Chloromethane			100		NA 10,825
1.2-Dichloropropane 1.1-Dichloroethane			100		NA.
1,2-Dichloroethane			100		15,440 7460
1,1-Dichloroethene Dibromochloromethane			100		6750
2-trans Dichloroethylene			100		1000
is-12-Dichloroethene is-13-Dichloropropene	· 	 	100		305
rans-13-Dichloropropene			10U		2900
Ethylbenzene			100		21,400
2-Hexanone 4-Methyl-2-Pentanone (MIBK)	 		300		26,000 11,840
- Methyl-2-Pentanone (MIBK) Methylene Chlonde			100	2 ЛВ	l NA
ryrene Fetrachloroethylene	 		100	 	695
,1,1,2-Tetrachloroethane			100		NA NA
,122-Tetrachloroethane			100		1040 1650
oluene ,1,1-Tnehloroethane			100		3025
1.2-Trichloroethane			100		3390 2250
Inchloroethene (TCE)	 		100		NA NA
Vilenes (Total)			íŏŬ		1055
		ļ	<u> </u>		ļ
EMIVOLATILE ORGANICS (SW846 8270): Inding time: 7 days to extract, 40 days to extract	05/15/95	05/23/95	100		100
ns(2-chloroethyl)ether			100		30,000
-Chlorephenol			10U		360 345
3-Dichiorobenzene 4-Dichiorobenzene		 	100		730
2-Dichlorobenzene			100		820
-Methylphenol us(2-chloroisopropyl)ether			100		NA 4,545
-Methylphenol			100		NA
-Nitroso-di-n-propylazzane			100		NA 60
fexachloroethane htrobenzene	1		100		4,040
sophorone			100		10,400 8,000
?-Nitrophenol ?,4-Dunethylphenol			100		660
.4-Dichiorophenol			JoU		1,685
2,4-Trichlorobenzene			100		130
Chloroantine			100 .		NA .
lexachlorobutadi ene			10U 10U		10 NA
sg(2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol)			100		133
lexachlorocyclopentadiene			100		3
4.6-Trichlorophenol 4.5-Trichlorophenol			10U 50U		100
-Chloronaphthalene			10U		NA
himethyl phthalate keenaphihylene	 		10U 10U		2,475 NA
.6-Dimtrotoluene	1		IOU		990
cenaphthene	Ţ		10U 30U		85 655
4-Divirophenol Nitrophenol	 		500		2,335
4-Directrotolnene			10U		1.590
ethylohthalate			100		4,000 NA
Chlorophenyl-phenylether	+		100		NA.
6-Dinico-2-methylphenol			500		NA 293
-Nitrosodiphenylarrane Bromophenyl-phenylether			100		270
cxachlorobenzene			10U		NA
entachlorophenol			30U 10U		e (1.005(pH)-4,830)
henanthrene nthracene	 		100		NA
n-n-butyl phthalate			100		105
noranthene Trene	 		100		NA NA
utvibenzyl phthalate			10U		140
3'-Dicklorobenzidine mzofaknihracene			20U		0.5
nrysene	1		100		NA.
x2-Ethylhexyl)phthalate			100		NA 100
-n-octyl phthalate	+		100		NA
mzo(b)fluoranthene mzo(k)fluoranthene			100		NA
enzo(a)-yrene (BaP) deno(123-cd)-yrene	 		100		NA NA
benziah)anthracene			100		NA .
mzo(g hu)perylene			10U 100U		NA 17,100
-hitrosocumethylamane enzidine	 		100U		295
2-Diphenyl-n-hydrazine			100U		15
enzyl Alcohol	 		160		NA.

Sample ID: SFM-2-95-C-0.0 Lab ID: SFM2C0 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quality Criteria ue/L
DISS. SEMIVOLATILE ORGANICS (SWB46 8270); Bolding time: 7 days to extract, 40 days to extract	05/13/95	05/24/95			
Priend bis 2-chloroethyl ether			100		100 30,000
2-Cilorophenol			100		360
1,3-Dichlorobenzene	-{		10U	 	345 730
1,2-Dichlorobenzene			100		820 NA
2-Methylphenol bis 2-chloroisopropyl ether	+		100		4,545
14-Methylphenol			100		NA NA
N-Miroso-di-n-propylamine Hexachloroethane			100		60
Nitrobenzene		 	100	ļ	4,040 10,400
Isophorone 2-Natrophenol			100		8,000
2,4-Dimethylphenol		 	10U	·	1,685
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			100		130
Nashthalene 4-Chloroamline			100		NA
Heyachlorohujadiene			100		NA
big 2-Chloroethoxy methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)	+	 	100	 	155
Hexachlorocyclopentadiene			100		3 3
2,4,6-Trichlorophenol		 	30U		100
2-Chloronaphthalene			100		NA 2,475
Dimethyl phthalate Accraphthylene	1	<u> </u>	10U		NA
2,6-Dantrotolvene			100		990 85
Acenaphthene 2,4-Dinitrophenol		<u> </u>	30U		655
4-Natrophenol		 	30U 10U		2,335 1,590
2,4-Dinitrotoluene Diethylphihalate			100		4,000
Chlorophenyl-phenylether Fluorene	+	-	100	ļ	NA NA
4.6-Dinitro-2-methylphenol			300		NA
N-Nitrosodiphenylamane 4-Bromophenyl-phenylether		 	100	<u> </u>	295 270
Hexachlorobenzene			10U		NA _
Pentachlorophenol Phenanthrene	+	 	300		e (1.005(pH)-4,830)
Anthracene			100		NA 105
Di-n-butyl phthalate Phoranthene		 	10U	 	200
Potenc			100		NA J40
Burylbenzyl phthalate 3.3-Dichlorobenzi dine	- 	 	10U 20U	f	NA
Benzo(a)anthracene			10		0.5 NA
Chrysene Big 7-Ethylhexyl)phthalate			JOU	I JB	NA
Di-n-octyl phthalate Benzo(b)lluoranthene Benzo(k)lluoranthene			100		100 NA
Beizo(k):Buoranthene	1		100		NA.
(Berzo(s)pyrene (BaP)	I		100		NA NA
indeno(1,23-cd)pyrene Dibenz(a,h)anthracene			10U		NA
Berzo(g.h.) perylene N-muosodimethylamine	+	 	100		NA 17,100
Berzidine			1000		295 15
1,2-Diphenyl-n-hydrazine Benzyl Alcohol	- 	 	100		NA
	Ţ 				
PESTICIDES/PCBS (SW846 8080)					
Holding time: 7 days to extract, 40 days to extract	05/15/95	05/19/95	0.05U		NA
beta-BHC			0.05U		NA NA
delta-BHC genera-BHC (Lindane)	+		0.05U 0.05U		
Henrichlor			0.05U 0.05U		0,26 1.5
Alcin Heptachlor Epoxide			0.05U		0.5
Endosulfan I			0.05U 0.10U		0.11 1,25
Dieldrin 4,4°-DDE	<u> </u>		0.10U		0.55
Endrin			0.09U 0.10U		0.09 0.11
Encosulfan II 4.4-DDD (p.p-TDE) Encosulfan Sulfate			0.10U		0.55
Endosulfan Sulfate	 		0.10U 0.10U	ļ- 	0.11 0.55
Methoxychlor			0.30U		NA
Engrin Ketone Engrin Aldehyde	+		.010U 0.10U		NA NA
alpha-Chlordane			0.05U		1.2
gan-ra-Chlordane Murex	 		0.05U 0.10U		1.2 NA
Toxaphene	1		1.000		0.37
Aroclor-1016 Aroclor-1221			0.50U 0.50U		
Arcelor-1232			0.50U		2 2
Aroclor-1242 Aroclor-1248	 		0.50U 0.50U		2
Arocior-1254			0.50U 0.50U		2 2
Arocior-1260			0.500		
	.)				
DISSOLVED PESTICIDES/PCBS (SW846 8080)			l l		
Holding time: 7 days to extract, 40 days to extract	05/18/95	05/20/95	0.05U		NA NA
Holding time: 7 days to extract, 40 days to extract alpha-BHC beta-BHC	05/18/95	05/20/95	0.05U 0.05U		NA NA
Holding time: 7 days to extract, 40 days to extract alpha.BHC beta.BHC	05/18/95	05/20/95			NA NA I
Bolding time: 7 days to extract, 40 days to extract alpha_BHC beta_BHC delta_BHC ga=mas_BHC (Lindane) Hepachlor	05/18/95	05/20/95	0.05U 0.05U 0.05U 0.05U		NA NA I 0,26
Bolding time: 7 days to extract, 40 days to extract alpha-BHC beta-BHC delia-BHC garmes-BHC (Lindane) Hepsekhor Alcin Alcin Alcin	05/18/95	05/20/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U		NA NA I 0.26 1.3 0.3
Bolding time: 7 days to extract, 40 days to extract alpha_BHC beta_BHC delta_BHC ga=mas_BHC (Lindane) Hepachlor	05/18/95	05/20/95	0.05U 0.05U 0.05U 0.05U 0.05U		NA NA I 0.26 1.3

iample ID: SFM-2-95-C-0.0 Lab ID: SFM2C0 Clutriate Prep Date: 05/09/95	Page 19-4-1	Date Analyzed	Method Detection Limit	Result	Acute Water Qua
A-DDE	Date Extracted	Date Analyzed	6.10U	ue/L:	<u>ue/L</u> 0.33
חביות			0.09U		0.09
ndosulfan II			0.10U 0.10U		0.11
,4'-DDD (p,p'-TDE) ndosulfan Sulfate			0.10U		0.11
,4°-DDT			0.10U 0.30U		0.55 NA
fethoxychlor ndnn Ketone			.010U		NA.
ndnn Aldehyde			6.100		NA.
pha-Chlordane amma-Chlordane	- 	ļ	0.05U 0.05U	 	1.2
irex			0.10U		NA .
oxaphene			1,000		0.37
roclor-1016 roclor-1221	-		0,50U 0,50U	 	2
roclor-1221			0.50U		2
roclor-1242			0.500	ļ	2 2
roclor-1248 roclor-1254	+		0.500	 	
roclor-1260			0.300		2
	-			 	
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):					
folding time: 7 days to extract, 40 days to extract	05/15/95	05/24/95	1.00	 	0.065
arathion Morpyrifos			1.0U	 	0.083
1801))11103					
ISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140	204				
olding time: 7 days to extract, 40 days to extract	05/18/95	05/26/95	1.00	ļ	0.063
arathion Morpyrifos	1	 	1.00	 	0.063
LCOHOLS/ALDERYDES (SW846 Modified 8015);	1				
olding time: None		05/17/95			L
ormaldehyde			5000U	l	2180
- Propanol			30000		227,750 443,165
Гторало			30000	 	443,163
ISS. ALCOHOLS/ALDEHYDES (SWB46 Medified 8015):	 	· · · · · · · · · · · · · · · · · · ·			
olding time: None	l –	05/18/95			
ormaldehyde			50000		2180
Propanol			5000U 5000U		227,750 443,165
Propanol	 		3000		443,103
NORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		1	
lemanum	an except tig	an accepting	43.8U	190,000	750
numony			3.60	3.6 UN	88
rsenic			1.6U 7.9U	53.5 N 1450 N°	360 20,500
anum eryllium	1		0.200	3.1 B	NA
oron			34.9U	171	8050
admum hromaun III	. 		0.30U 1U	3.0 B	1.79 984.32
obali			2.10	114-E	95
оррст			0.90	151 N*	9.22
ead	3/26/95, 3/31/95	06/05/95	2.1U 0.20U	87,8	33.78
ercury ckel	3/20/93, 3/31/93	0003/33	3.8U	250 EN	789.01
enium	1		2.1U	3.3 BN	20
lver nelliom	 	- 	0.60U 3.4U	0.75 BN 5.9 BN	0.92 63
aradium			1.2U	370 EN	515
ne			2.10	916 EN*	65.04
	 				
ORGANICS - DISS. METALS (SW846 6000/7000);	05/19/95	5/25/95, 5/31/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	597 •	750
прина	<u> </u>		3.60		88
senie			1.60	2.2 B	360
sum Alium	 		7.9U 0.20U	114 B	20,500 NA
ron	1		34.9U	89.5 B	8050
dan um			0.30U		1.79
romium III	 		1U 2.1U		984.32 95
bet part	1		0.9U	118	9.22
ad		000100	2.1U	4.8 B	33.78
remy :kel	05/24/95	05/31/95	0.20U 3.8U		7.4 789.01
enium Kei	 	<u> </u>	2.10		20
ver			0.600	0.60 UN	0.92
allium nadium	 		3.4U 1.2U	2.4 B	65 515
nadrum	1		2.10	64.8	65.04
ORGANICS - OTHER (Results in mg/L):	1				
lonide	ļ	05/12/95 05/12/95	1U 0.01U	20	86,000 NA
romium VI	 	05/12/95	0.010		22
ial Residual Chlorine		05/12/95	0.1U		19
al Suspended Solids		05/12/95	10	3340	NA
ORGANICS - OTHER(Results in mg/L):	 				
loride	1	05/22/95	ΙÜ	20	86,000
romum VI anide	{	05/12/95	0.01U 0.00		NA 22
	 	05/12/95	0.10	0.2	19
al Residual Chlonne					NA

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: SFM-2-95-C-5.0 Lab ID: SFM2C5 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit vg/L	Result ug/L	Acute Water Quality Criteria ug/L
VOLATILE ORGANICS (SWB46 8240):					
Holding time: 14 days		05/16/95			
Acrolem		 	1000	57	446,000 455
Acrylonitrile			100U		645
Benzene			100		640 NA
Bromodichloromethane Bromoform			100		1825
Bromomethane			100		NA.
2-Butanone (MEK)			100		161,000
Carbon Tetrachloride 2-Chloroethylvinylether			10U		2780 17,500
Chlorobenzene			100		1180
Chloroethane			100		NA 1945
Chloroform Chloromethana	_ 		100		NA NA
1,2-Dichloropropane			100		10,825
1.1-Dichloroethane			10U		NA NA
I,2-Dichloroethane			100		15,440 7460
I, I-Dichloroethene Dibromochloromethene			100		6750
1,2-trans Dichloroethylene			10U		1000
ris-1,2-Dichloroethene			100		303
ris-1,3-Dichloropropene rans-1,3-Dichloropropene			100		305 2900
Ethylbenzene			10U		21,400
2-Hexanone			100		26,000
i-Mathyl-2-Pentanone (MIBK) Methylene Chloride	-		10U	2 JB	11,840 NA
Methylene Chlonde Styrene			10U	4 18	695
Tetrachloroethylene			10U		1040
I, I, 2-Tetrachloroethane			10U 10U		NA 1040
, 1, 2, 2-Tetrachloroethane Toluene	 		10U		1650
l, l, l-Trichloroethana			10U		3025
, 1,2-Trichloroethane			100		3390 2250
Inchloroethene (TCE) Vinyl Chloride			100		NA NA
(ylenes (Total)			100		1055
,,,,,					
SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/15/95	05/23/95	100		100
Phenol pur(2-chloroethyl)ether			100		30,000
-Chlorophenol			100		560
,3-Dichlorobenzene			100		345
,4-Dichlorobenzene ,2-Dichlorobenzene			100		730 820
- Methylphenol			10Ü		NA
ns(2-chlorosopropyl)ether			10U		4,545
-Methylphenol			100		NA NA
- Nitroso-di-n-propylamine lexachloroethane			100		60
htrobenzene			100		4,040
sophorone			10U		10,400 8,000
-Nirrophenol 4-Dimethylphenol			100		660
4-Dichlorophenol			10U		1,685
,2.4-Trichlorobenzene			100		130
sphthalene -Chlorosniline			100		135 NA
exachlorobutadiene			10U		10
is(2-Chloroethoxy)methane			10U		NA NA
-Chloro-3-methylphenol (p-chloro-m-cresol) lexachlorocyclopentadiene			10U 10U		155
4,6-Trichlorophenol			IOU		5
4,5-Trichlorophenol			50U		100
-Chloronaphthalene			10U		NA 2,475
himethyl phthalate wenaphthylene			100		NA NA
6-Dinitrotoluene			10U		990
censphthene			10U 50U		85 655
4-Dinitrophenol -Nitrophenol			500		2,335
4-Dinitrotoluene			100		1,590
hethylphthalate			100		4,000
-Chlorophenyl-phenylether			10U		NA NA
luorene			500	-	NA NA
6-Dinitro-2-methylphenol			100		295
6-Dinitro-2-methylphenol -Nurosodiphenylamina					
6-Dinitro-2-methylphenol -Nitrosodiphenylamina Bromophenyl-phenylether			10U		270
6-Dinitro-2-methylphenol -Nicrosodiphenylamine Bromophenyl-phenylether exachlorobenzene			10U		NA
6-Dnitro-2-methylphenol -Nitroeodiphenylamine Bromophenyl-phenylether exachlorobenzene muschlorophenol					NA e (1,005(pH)-4,830) 5
6-Dnitro-2-methylphenol -Nitroeodiphenylamine -Bromophenyl-phenylether exachlorobenzene enachlorobenzene henseithere			10U 50U 10U 10U		NA e (1.005(pH)-4,830) S NA
6-Dnitro-2-methylphenol -Nürosodiphenylamine -Bromophenyl-phenylether exachlorobenzene enachloroblenol henanihrene nibracene -in-butyl phihalate			10U 50U 10U 10U 10U		NA e (1.605(pH)-4,830) 5 NA 105
6-Dnitro-2-methylphenol -Nitrocodylphenylamine -Bromophenyl-phenylether exachlorobenzene emachlorobenzene emachlorophenol hensulhrene nitracene i-n-butyl phihalste hororubene			10U 50U 10U 10U		NA e (1.005(pH)-4,830) S NA
6-Dnitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenyletier exachlorobenzene enachlorophenol hensenlurene nuthacene i-n-butyl phihalate buorunthene ryres			10U 50U 10U 10U 10U 10U 10U		NA e (1.005(pH)-4,830) S NA 105 200 NA 140
6-Driutro-2-methylphenol -Nitroeodiphenyl-phenylether -Bromophenyl-phenylether -exachlorobenzene -machlorophenol -bensuhrene -in-burly phihalste -in-burly phihalste -tyrene -tyrene -tyrene -tyrene -tyrene -tyrene -tyrene			10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA
6-Dnitro-2-methylphenol -Nitroeodiphenylamine -Bromophenyl-phenylether exachlorobenzene entachlorobenzene entachlorobenzene entachlorobennol hensulturne nuthracene -in-butyl phihalate tuoruntene tyrne atylbenyd phihalate 3-Dichlorobenzelune ento(a yanthuscene			10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 0.5
6-Dinitro-2-methylphenol -Nitroeodiphenyl-phenylether -Bromophenyl-phenylether -exachlorobenzene -muschlorophenol -bensuthrene -threene -n-burl phihalste -threene -tyrene			10U 50U 10U 10U 10U 10U 10U 10U 20U 1U		NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA
6-Dinitro-2-methylphenol -Nitrocodylphenylamine Bromophenyl-phenylether exachlorobenzene muschlorophenol ensanthrene michlorophenol ensanthrene michacene i-n-butyl phihalate uporathene grene grene exylbenzyl phihalate exylbenzyl phihalate muzca (azathracene muzca (azathracene myrene grene grene grene hyrene grene hyrene gr			10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		NA e (1.005pH)-4,830) S NA 105 200 NA 140 NA 0,5 NA NA NA
6-Dnitro-2-methylphenol -Nitrosodiphenylamine Bromophenyl-phenylether exachlorobenzene muschlorophenol ensathrene mithracene i-n-butyl phihalate uorunthene ryteenyl phihalate atybenyl phihalate enzo(s)arthracene typens (2-Ehythexyl) phihalate -n-octyl phihalate -n-octyl phihalate -n-octyl phihalate -n-octyl phihalate -n-octyl phihalate -n-octyl phihalate -n-octyl phihalate -n-octyl phihalate			10U 56U 10U 10U 10U 10U 10U 10U 10U 10U 10U 10		NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 0.5 NA NA
6-Dinitro-2-methylphenol -Nitrocodylphenylamine Bromophenyl-phenylether exachlorobenzene emiachlorophenol emiachlorophenol eminuhrene inh-bunyl phihalate in-bunyl phihalate uporuthene ymne gythenyl phihalate 3-Dichlorobenzidine emizo(abzubracene uyene g 2-Ehythexyl) phihalate -n-octyl phihalate -n-octyl phihalate -n-octyl phihalate -noc(bliuoratuhene emizo(bliuoratuhene emizo(bliuoratuhene emizo(bliuoratuhene			10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 0.5 NA 100 NA
6-Dnitro-2-methylphenol Nürosodiphenylamine Bromophenyl-phenylether exachlorobenzene muschlorophenol ensathrene mithracene i-n-butyl phihalate uorunthene ryteenyl phihalate aryteenyl phihalate stylenyl phihalate enzo(s)arthracene typens g 2-Ehythexyl)phihalate -n-octyl phihalate -n-octyl phihalate -n-octyl phihalate mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene			10U S0U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 0.5 NA 0.5 NA NA 100 NA
6-Dnitro-2-methylphenol Nürosodiphenylamine Bromophenyl-phenylether exachlorobenzene muschlorophenol ensathrene mithracene i-n-butyl phihalate uorunthene ryteenyl phihalate aryteenyl phihalate stylenyl phihalate enzo(s)arthracene typens g 2-Ehythexyl)phihalate -n-octyl phihalate -n-octyl phihalate -n-octyl phihalate mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene mzo(s)fulloranthene			10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		NA e (1.005(pH)-4,830) 5 NA 105 200 NA 140 NA 105 NA 100 NA NA NA NA NA
6-Dinitro-2-methylphenol -Nitrocodyhenylamine Bromophenyl-phenylether exachlorobenzene emachlorobenzene emachlorophenol hemsuhlyren nitracene in-butyl phihalate in-butyl phihalate in-butyl phihalate yrene yrene daythenzyl phihalate 3-Dichlorobenzidine emzo(a)zuthracene in-butyl-phihalate in-octyl phihalate in-octyl phihalate in-octyl phihalate inco(b)liuoranthene emzo(a)pyrene (BaP) denol (1,3-5-d)pyrene benut a, harthracene miou (a, harthracene emiou (a, ha			10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		NA e (1.005(pH)-4,830) S NA 105 200 NA 140 NA 105 NA 100 NA NA NA NA NA NA
6-Dnitro-2-methylphenol -Nitroeodyhenylamine Bromophenyl-phenylether exachlorobenzene emischlorobenzene emischlorobenzene emischlorobenol hemmilyene in-busyl phihalate in-busyl phihalate uoramhene yrene exylencyl phihalate sylencyl phihalate emzo(a krathracene hyvene ig 2-Ebryhenyl phihalate -in-octyl phi			10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		NA e (1.005(pH)-4,830) 5 NA 105 200 NA 140 NA 105 NA 100 NA NA NA NA NA
6-Dintro-2-methylphenol -Nirosodiphenylamine Bromophenyl-phenylether exachlorobenzene emischlorobenzene emischlorobenzene emischlorobenzene emischlorobenol hensuthrene nithracene in-butyl phthalise in-butyl phthalise stythenyl phthalise stythenyl phthalise stythenyl phthalise enzo (azuthracene hysene in 2-Ethylhenyl phthalise in-octyl phthalise in-octyl phthalise enzo (bluoranthene enzo (bl			10U 50U 10U 10U 10U 10U 10U 10U 10U 10U 10U 1		NA e (1.005(pH)-4,830) 5 NA 105 200 NA 140 NA 160 NA 100 NA 100 NA NA 100 NA NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA

} ·

;

Sample ID: SFM-2-95-C-5.0		1			
Lab ID: SFM2C5	1		Method Detection		Acute Water Quality
Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Limit vg/L	Result	Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SWB46 B270):		i			
Holding time: 7 days to extract, 40 days to analyze	05/13/95	05/24/95	100		100
bis(2-chloroethyl)ether			100		30,000 560
2-Chlorophenol 1.3-Dichlorobenze ne	 	 	100		345
1,4-Dichlorobenzene 1,2-Dichlorobenzene			10U		730 820
2-Methylphenol	1		100		NA.
bis(2-chloroisopropyl)ether 4-Methylphenol			10U	1.7	4,545 NA
N-Nitroso-di-n-propylamine			100		NA
Hexachloroethane Nurobenzene	 		100		4,040
Isophorone			100	1.7	10,400 8,000
2-Nitrophenol 2.4-Dimethylphenol			100	2 J	660
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			100		1,685
Naphthalene			100		135
4-Chloroaniline Hexachlorobutadiene	 		100		NA 10
bis(2-Chloroethoxy)methane			100		NA
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopeniadiene	 		100		155
24.6-Trichlorophenol	ļ <u> </u>		100		5
2.4.5-Trichlorophenol 2-Chloronsphthalene	 -		50U - 10U		NA.
Dimethyl phthalate			10U 10U		2,475 NA
Acensphihylene 2,6-Dinitrotoluene			100		990
Acenaphihene 2,4-Dunitrophenol			10U 50U		85 655
4-Nitrophenol			500		2,335
2,4-Dinitrotoluene Diethylphthalate	1	L	10U 10U		1,590 4,000
4-Chlorophenyl-phenylether			100		NA
Fluorene 4.6-Dinitro-2-methylphenol	1		10U 30U		NA NA
N-Nurosodiphenylamine			100		295 270
4-Bromophenyl-phenylether Hexachlorobenzene	 		100		NA
Pentachlorophenol			50U 10U		e (1.005(pH)-4,830)
Phenanthrene Anthracene		~	100		ŇA
Di-n-buryi phihalate Fluoramhene			100		105
Pyrene			10U		NA.
Burylbenzyl phthalate 3,3-Dichlorobenzidine			10U 20U		140 NA
Benzo(a)anthracene			ינו		0.5
Chrysene Bis(2-Ethylhexyl)phthalate			100	19 B	NA NA
Di-n-octyl phthalate			100		100 NA
Benzo(b)fluoranthene Benzo(k)fluoranthene	<u> </u>		10U		NA NA
Benzo(a)pyrene (BaP)			100		NA NA
Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene			100		NA
Benzo(g, h, i)perylene N-narosodimethylamine			10U 100U		NA 17,100
Benzidine			100U		295
1,2-Diphenyl-n-hydrazine Benryl Alcohol	 		100U		15
D0/2 71 7 6 C0 / O	1		100 1		NA NA
	 		10U		
PESTICIDES/PCBS (SW846 8080)	Actions	AFTIRMS	100		
Holding time: 7 days to extract, 40 days to analyze	05/15/95	05/19/95	0.05U		NA NA
Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC	05/15/95	05/19/95	0.05U 0.05U		NA NA NA
Helding time: 7 days to extract, 40 days to analyze alpha-BHC beas BHC dela-BHC clindane)	e9/15/95	05/19/95	0.05U 0.05U 0.05U 0.05U		NA NA NA NA
Holding time: 7 days to extract, 40 days to analyze alpha BHC beta BHC dela BHC emma-BHC (Lindane) Heptachlor	05/15/95	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U		NA NA NA NA NA NA NA NA NA NA NA NA NA N
Holding time: 7 days to extract, 40 days to analyze alpha BHC beta BHC delta BHC delta BHC examina BHC (Lindane) Heptachlor Aldrin Heptachlor Eposide	05/15/95	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U		NA NA NA NA 1 0.26 1.5
Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC extracted to the time of the time of the time of the time of	09/1595	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U		NA NA NA 1 0.26 1.5 0.5 0.11
Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC extracted to the time of the time of the time of the time of	09/1595	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U		NA NA NA NA NA NA NA NA NA NA NA NA NA N
Holding time: 7 days to extract, 40 days to analyze alpha BHC beta BHC delta BHC delta BHC extract, 40 days to analyze the BHC (Lindane) Hippachlor (Lindane) Hippachlor Epoxide Endonulfan I Dieldrin 44-1DDE Endonu	C5/15/95	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U		NA NA NA NA 1 0.26 1.5 0.5 0.1 1.25 0.55 0.09
Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC delta-BHC extraction Hernachlor Hernachlor Hernachlor Epoxide Endonulfan I Dieldrin 4.4-DDE Endrin Endonulfan II	C5/15/95	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U		NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.99 0.11 0.35
Helding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC extract, 40 days to analyze delta-BHC extract for the following the following delta-BHC (Lindzne) Hepsachlor Aldrin Hepsachlor Epoxide Endoculfun I Deldrin 1 Deldrin 1 Deldrin Endonulfun II (4-DDE Endonulfun II (4-DDE Endonulfun II (4-DDE Endonulfun Sulfste 44-DDT (-p.º-TDE) Endonulfun Sulfste (44-DDT (-p.º-TDE)	C5/15/95	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U 0.10U		NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.11 0.55 0.11 0.55 0.55 0.11 0.55
Helding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC extract (Additional alpha-BHC (Lindsme) Hersachlor Addition Hersachlor Epoxide Endosulfan I Dieldrin 44*DDE Endosulfan I Endosulfan I Endosulfan I Endosulfan I Endosulfan I Endosulfan I Endosulfan I Endosulfan I Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan Sulfate 44*DDT Methoxychlor	es/Is9s	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U		NA NA NA NA 1 1 0.26 1.5 0.5 0.11 1.25 0.55 0.99 0.11 0.55 0.11 0.55 NA
Helding time: 7 days to extract, 40 days to analyze alpha-BHC beas BHC dela-BHC dela-BHC (Lindsne) Hepsachlor Aldrin Heptachlor Epoxide Endownlin Dieldr	¢S/IS9S	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U		NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.35 NA NA NA
Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC earnin-BHC (Lindane) Herpachlor Aldrin Herpachlor Endonulism I Doeldrin 4.4-DDE Endonulism I Endonulism I Endonulism I Endonulism I Endonulism I Endonulism I Endonulism I Endonulism I Endonulism I Endonulism I Endonulism I Endonulism I Endonulism I Endonulism II Endonulism II Endonulism II Endonulism III Endonulism Sulfiste 4.4-DDT Methoxychlor Endrin Kesone Endun Aldehyde alpha-Chlordane	¢5/15/95	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U		NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.23 0.99 0.11 0.55 0.11 0.55 NA NA
Helding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC extract (Addin Herischlor Aldrin Herischlor Epoxide Endoruliza Dieldrin 4.4-DDE Endrin Endoruliza En	CS/IS9S	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U		NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.99 0.11 0.55 0.11 0.55 0.11 0.55 NA NA NA NA NA NA NA NA NA
Hedding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC delta-BHC delta-BHC delta-BHC (Lindsme) Hepsachlor Aldrin Hersachlor Epoxide Endorulfan I Deldrin Hersachlor Epoxide Endorulfan I Deldrin Hersachlor Endorulfan I Deldrin Hersachlor Endorulfan I Deldrin Endorulfan I Hersachlor Endorulfan II (4-1-DDE Endorulfan Sulfate 44-1-DT Methosychlor Endrin Kesone Endrin Kesone Endrin Kesone Endrin Adelyde alpha-Chlordane germa-Chlordane	CS/1595	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U		NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.99 0.11 0.355 0.11 0.355 NA NA NA NA NA NA NA NA NA
Helding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delia	CS/IS9S	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U		NA NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.99 0.11 0.35 0.35 NA NA NA NA NA NA NA NA NA N
Helding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC extract, 40 days to analyze delta-BHC extractor delta-BHC (Lindsme) Hersachlor Aldrin Hersachlor Epoxide Endorsulfan I Dieldrin 4,4*DDE Endrin Endorsulfan II Endorsulfan II Endorsulfan II Endorsulfan II Endorsulfan II Endorsulfan II Endorsulfan Sulfate 4,4*DDT Methosychlor Endrin Ketone Endrin Aldehyde alpha-Chlordane gemina-Chlordane gemina-Chlordane Minar Toxsphene Arcclor-1016	es/is9s	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U		NA NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.55 NA NA NA NA NA NA NA NA NA
Hedding time: 7 days to extract, 40 days to analyze alpha-BHC beas-BHC dela-BHC dela-BHC dela-BHC (Lindsme) Hepsachlor Aldrin Hepsachlor Epoxide Endonaliza I Dieldran 4.4-DDE Endonaliza I Dieldran Endonaliza II Dieldran 4.4-DDE Endonaliza II Dieldran Endonaliza II Dieldran Endonaliza II Endonaliza II Endonaliza II Endonaliza Salfiste 4.4-DDT Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Salfiste Endonaliza Endonaliz	es/is9s	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.00U		NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.35 NA NA NA NA NA NA NA NA NA N
Holding time: 7 days to extract, 40 days to analyze alpha BHC bets BHC delia-BHC extract, 40 days to analyze delia-BHC extract to the control of the control	CS/IS9S	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U		NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.55 NA NA NA NA NA NA NA NA NA
Helding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC extracts (40 days to analyze alpha-BHC delta-BHC (Lindsare) Hersachlor Aldrin Hersachlor Epoxide Endoralizar I Dieldran Hersachlor Epoxide Endoralizar I Dieldran Hersachlor Epoxide Endoralizar I Hersachlor Epoxide Endoralizar I Hersachlor Epoxide Endoralizar II Hersachlor Epoxide Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor Endoralizar II Hersachlor II Hersa	CS/IS9S	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.05U		NA NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.55 NA NA NA NA NA NA NA NA 2 2 2 2 2
Hedding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delia	05/18/95	05/19/95	0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.00U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.35 NA NA NA NA NA 2 2 2 2 2 2
Hadding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delia			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U		NA NA NA NA NA NA 1 0.26 1.5 0.51 1.725 0.99 0.11 0.55 0.11 0.55 NA NA NA NA NA NA NA NA NA
Holding time: 7 days to extract, 40 days to enabyze alpha BHC beta BHC delia-BHC delia			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U		NA NA NA NA NA NA NA NA NA NA
Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC defia-BHC defia-BHC here are a second of the second of th			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.00U		NA NA NA NA NA NA 1 0.26 1.5 0.5 0.11 1.25 0.55 0.09 0.11 0.35 NA NA NA NA NA NA NA NA NA N
Hadding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC defia-BHC defia-BHC defia-BHC lindsme) Hierarchior Addrin Hertschlor Epoxide Endoquifier I Dieldrin 4,4-DDE Endoquifier I Dieldrin Endoquifier I Dieldrin 4,4-DDE Endoquifier I Dieldrin Endoquifier I Dieldrin Endoquifier I Dieldrin Endoquifier I Dieldrin Endoquifier I Dieldrin Endoquifier I Endoquifier Sulfate 4,4-DDT Endoquifier Sulfate 4,4-DDT Endoquifier Sulfate 4,4-DDT Methoxychlor Endoquifier End			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.05U		NA NA NA NA NA NA 1 0.26 1.5 0.51 1.12 0.55 0.09 0.11 0.35 NA NA NA NA NA NA NA NA NA N
Holding time: 7 days to extract, 40 days to analyze alpha-BHC beta-BHC delta-BHC delta-BHC learners and control of the control			0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U 0.05U		NA NA NA NA NA NA NA NA NA NA

į

		· · · · · · · · · · · · · · · · · · ·			
Sample ID: SFM-2-95-C-5.0 Lab ID: SFM2C5			Method Detection		Acute Water Quality
Elutriate Prep Date: 05/09/95		ł	Limit	Result	Criteria
4.4'-DJE	Date Extracted	Date Analyzed	0.16U_	U2/L	82/L 6.33
Endrin			0.09U		0.09
Endosulfan II		ļ	0.10U 0.10U		0.11
4.4-DDD (p.p'-TDE) Endosulfan Sulfate	 	 	0.100		0.33
4,4'-DDT			0.10U		0.55
Methoxychlor Endrin Ketone	 	 	0.50U .010U	 	NA NA
Endrin Aldehyde			0.100		NA.
alpha-Chlordane gamma-Chlordane	 	 	0.05U 0.05U	 	1.2
Miret	 		0.10U		NA
Toxiphene			1.00U 0.50U		6,37
Aroclor-1016 Aroclor-1221	 	 	0.500	 	2 2
Aroclor-1232			0.50U		2
Aroclor-1242 Aroclor-1248		 	0.50U 0.50U		2 2
Aroclor-1254			0.50U		2
Aroclor-1260	ļ	 	6.50U		22
ORGANOPHOSPHORUS COMPOUNDS (SW846 B140):		 			
Holding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95	}	l	
Paration			1.00		0.065
Chlorpynifos	 	 	1.00		0.083
DISS, ORGANOPHOSPHORUS COMPOUNDS (SWB46 B140):	l	I	I	1	
Holding time: 7 days to extract, 40 days to analyze	05/18/95	05/26/95			
Parathion Chlorpyrifos		 	1.0U 1.0U		0.065 0.083
CONTRACTOR CONTRACTOR					
ALCOHOLS/ALDEHYDES (SWB46 Modified B015):		i	1	l	
Holding time: None		05/17/95			
Formaldehyde			5000U		2180
1-Propanol 2-Propanol			50000		227,750 443,165
DISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):					
Holding time: None Formaldehyde		05/18/95	5000U		2180
1-Propanol			5000U		227,750
2-Propanol		ļ	5000U		443,165
INORGANICS - TOTAL METALS (SW846 6000/7000);	05/18/95	05/20/95			
Holding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
Alumnum	an touch it.	E, tatta ing	43,8U	224,000	750
Antimony			3.6U 1.6U	6.4 BN	88 360
Arsenic Banium			7.90	50.5 N 1430 N°	20,500
Beryllium			0.20U		NA
Boron Cadmium			34.9U 0.30U	218 2.3 B	8050 1,79
Chromium III			IU	474	984.32
Copper Copper			2.1U 0.9U	125 B	95
Lead			2.10	573 ts	33.78
Merrury Nickel	5/26/95, 5/31/95	06/05/95	0.20U 3.8U	0.51 260 EN	· 2.4 789.01
Selemum			210	16.4 N	20
Silver Thailium			0.60U 3.4U	17.4 N	0.92 65
Vanadium			1.2U	406 EN	515
Zinç			2.IU	874 EN*	65.04
INORGANICS - DISS, METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95			
Holding time: 6 ma. (28 days Hg)	all except Hg	all except Hg			
Aluminum			43.8U	490 *	750
Antimony Arsenic			3.6U 1.6U		88 360
Banum			7.9U	17.9 B	20,500
Beryllium			0,20U 34.9U		NA 8050
Boron Cadmium			0.30U	0.34 B	1.79
Chromium III			IU		984.32
Copper Copper			2,1U 0.9U	79.3	95 9.22
esd			2.10	3.3 B	33.78
Mercury Nickel	05/24/95	05/31/95	0.20U 3.8U		789.01
Selennum			2.10		20
Silver halbum			0.60U 3.4U	0.60 UN	0.92 63
/anadium			1.20	1.8 B	515
inc			2.10	18.2 B	65.04
NODCANICS OTHER Gentle b 7 b					
NORGANICS - OTHER (Results in me/L): Thloride	ļ	05/12/95	וט	22	86,000
hromium VI		05/12/95	0.01U		NA.
Syanide Total Residual Chlorine		05/22/95 05/12/95	0.01U 0.1U	 +	22 19
otal Suspended Soluda		05/12/95	iÜ	7600	NA NA
DISS, INORGANICS - OTHER (Results In mg/L):	į	05/22/95	יטנ	22	86,000
hromium VI		05/12/95	0.01U		NA.
yanide otal Residual Chlorine		05/22/95 05/12/95	0.01U	0.2	22
otal Suspended Solids		05/12/95	10	0.2	NA NA

Definitions:

NA - Not Available

ng/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per milion

U - Undetected

J - Extimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to instrument DL (morganics)

- Duplicate analysis not within control limits

DL - Detection limit

E - Eximated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected comp. unds.

Sample ID: SHI-1-95-C-0.0 Lab ID: SHI1C0 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit	Result ug/L	Acute Water Quality Criteria ug/L
VOLATILE ORGANICS (SW846 8240):	i				
Holding time: 14 days	 -	05/15/95	100	+ 4	446,000
Actone	†		1000	1 1	455
Acrylonimie			100U	ļ	645
Bromodichloromethane	 		100	 	NA NA
Bromoform			100		1825
Bromomethane			100		NA 161,000
2-Butanone (MEK) Carbon Tetrachlorida	<u> </u>		100	· · · · · · · · · · · · · · · · · · ·	2780
2-Chloroethylvinylether	_		100		17,500
Chlorobenzene Chloroethane	 		100		NA
Chloroform			100		1945
Chloromethane 1,2-Dichloropropene	 	 	100		NA 10,825
1,1-Dichloroethane			100	1	NA NA
1,2-Dichloroethane			100		15,440 7460
1,1-Dichloroethene Dibromochloromethane	 		100	+	6750
1.2-mms Dichloroethylene			100		1000 305
cs-1,2-Dichloroethene	 		100		303
cis-1,3-Dichloropropene trans-1,3-Dichloropropene			100		2900
Ethy!benzene			100	-	21,400
2-Hexanone 4-Michyl-2-Pentanone (MIBK)	+	 	100	 	11,840
Methylene Chloride			100	2 JB	NA.
Sortine Tetrachloroethylene	+	 	100	 	695 1040
1.1.1.2-Tetrachloroethane			100		NA
1,1,2,2-Tetrachloroethane			100		1040
Tohume 1,1,1-Trichloroethane	 	 	10U	 	1650 3025
1,1,2-Trichloroethane			100		3390
Trickloroethene (TCE)	↓		10U	 	2250 NA
Viryl Chloride Xylenes (Total)	 	 	100		1053
				T	Ţ
SEMIVOLATILE ORGANICS (SWB46 8270): Holding time: 7 days to extract, 40 days to analyze Phenol	05/15/95	05/22/95	100		100
bis(2-chloroethyl)ether	†		100	 	30,000
2-Chlorophenol			100		560
I_3-Dichlorobenzene I_4-Dichlorobenzene	 		10U	 	345 730
1,2-Dichlorobenzene			100		820
2-Methylphenol			10U		NA 4,545
bis(2-chloroisopropyl)ether 4-Methylphenol	 		100		NA.
N-Nitroso-di-n-propylamine			100		NA 60
Hexachloroethune Nitrobenzene			100	 	4,040
laophorone			10U		10,400
2-Narophenol 2-Damethylphenol	 		100	 	8,000
2.4-Dichlorophenol			10U		1,685
1,24-Trichlorobenzene			100	ļ	130
Nachthalene 4-Chloroaniline	 		iõŬ		NA.
Hexachlorobutadiene			100	ļ	10
bis(2-Chloroethoxy)methane 4-Chloro-3-methytphenol (p-chloro-m-cresol)	 		100		NA 155
Hexachlorocyclopentadiene	1		10U	<u> </u>	5
2.4.6-Trichlorophenol			10U 50U		100
2.4.5-Trichlorophenol 2-Choronaphthalene	i		10U		NA.
Dimetryl phthalate			100		2,475
Acenzohuhylene 2.6-Dinizrotoluene	+		100	 	NA 990
Acenzohihene			IOU		85
2.4-Dingrophenol	1		SOU SOU	 	655 2,335
4-Nitrophenol 2.4-Drutrotoluene	 		100	 	1,590
Diethylphthalate			100		4,000
Chlorophenyl-phenylether	ļ		100		NA NA
Fhiorene 4,6-Dantro-2-methylphenol	 		SOU	<u> </u>	NA.
N-Nirocodiphenvia:mine			10U		295
4-Bromophenyl-phenylether Hexachlorobenzene	1		10U	-	270 NA
Percachiorophenol			50U		e (1.005(pH)-4,830)
Phenanthrene	<u> </u>		100		NA NA
Anthracene Di-n-butyl phthalate			100		105
luorzuhene			100	 	200 NA
Pyrene Burylbenzyl phthalate	 		10U	 	140
3.3-Dichlorobenzidzne	<u> </u>		20U		NA
Benzo(a)anthracene	\Box		1U 10U		NA NA
Chrysene Bis(2-Ethythexyl)phthalate	 		100		NA NA
Di-n-octyl phthalate			10U		100
Denzo(b)fluoramhene Benzo(k)fluoramhene			10U	<u> </u>	NA NA
Senzo(a)pyrene (Bab)			100		NA
ndeno(1,2,3-cd)pyrene			100		NA.
Dibenz's, hjænthracene Benzo(e, h.i)perylene	 		100		NA NA
V-nerosodimethylamene			1000		17,100
Persone			U001 U001		295
,2-D:phenyl-n-hydracine lenzi Alcohol			100		NA

Water water

San Lat	mple ID: SHI-1-95-C-0.0 b ID: SHI1C0 triate Prep Date: 05/09/95			Method Detection	Result	Acute Water Quality Criteria
<u> </u>	S. SEMIVOLATILE ORGANICS (SW846 8270):	Date Extracted	Date Analyzed	Ue/L	ng/L	ng/L
	ding time: 7 days to extract, 40 days to analyze	05/12/95	05/23/95	100		100
bis (2	2-chloroethyl)ether			100		30,000
131	dorophenol Dichlorobenzene			100		560 345
1,4-1	Dichlorobenzene Dichlorobenzene	ļ		U01		730 820
2-M:	ethylphenol			10U		NA
535€2 4.30¢	?-chloroisopropyl)ether ethylphenol			100	-	4,545 NA
N-N	iroso-di-n-propylamine			100		NA .
	achloroethane obenzene	 		100		60 4,040
leop	horone			10U		10,400 8,000
24-1	rrophenol Dimethylphenol			100		660
2.4-1	Dichlorophenol -Trichlorobenzene			100		1,685
Naci	hihalene			100		135
40	ulorosmiline schlorobutadiene	ļ		10U	l	NA 10
bus 2	2-Chloroethoxy)methane			10U		NA
Hexa	uloro-3-methylphenol (p-chloro-m-cresol) schlorocyclopentadiene			100		155
24.6	-Trichlorophenol			10U 50U		100
2-0	Trichlorophenol Joronaphthalene			10U		NA
Duni	ethyl phthalate usphthylene			100		2,475 NA
26-1	Nutrotoluene			10U		990
クエア	naphthene Dustrophenol			10U 50U	<u> </u>	85 655
4-No	rophenol			SOU		2,335
Die	Printrotoluene hylphthalate			10U 10U		1,590 4,000
4-0	lorophenyl-phenylether rene			100		NA NA
4.6-L	Anitro-2-methylphenol			SOU		NA
	trosodiphenylamine omophenyl-phenylether			100		295
Hexa	chlorobenzene			100		NA
	achlorophenol unthrene			50U 10U		e (1.005(pH)-4,830) \$
Anth	racene			10U 10U		NA 105
Fluor	-buyl phihalate ranihene			10U		200
Pyrer				100		NA 140
3,3-1	Dichlorobenzidine			20U		NA
Chry	o(a)anthracene			10U		NA NA
Big(2	-Ethylhexyl)phthalate)0Ŭ 10U	18	NA 100
Berz	octyl phthalate o(b)fluoranthene			100		NA
Benz	o(k)fluoranthene			10U		NA NA
Index	o(a)pyrene (BaP) no(1,2,3-cd)pyrene			100		NA
Diber	nz a h)anthracene o(g h, i)perylene rosodimethylamine			100		NA NA
N-rot	rosodimethylamine			100U		17,100 295
	hiphenyl-n-hydrazine			100U		15
Benz	yl Alcohol			10U		NA NA
	TICIDES/PCBS (SW846 8080)	İ				
Hold	Ing time: 7 days to extract, 40 days to analyze -BHC	05/15/95	05/19/95	0.05U		NA NA
beta-	BHC			0.05U		NA
della-	BHC (Lindane)			0.05U 0.05U		NA I
Hepta	chlor			0.05U		0.26
	chlor Epoxide			0.03U 0.05U		0.5
	sulfan l			0.05Ü 0.10Ü		0.11 1.25
4,4'-D	DDE			0.10U	0.06 J	0.5\$
Endo	n sulfen II			0.09U 0.10U		0.09 0.11
4.4'-D	DD (p.p'-TDE)			0.10U 0.10U		0.33 0.11
4.4 -D	rulfan Sulfate DDT			0.10U		0.55
Meho	oxychlor n Kelone			0.50U . .010U		NA NA
Endri	n Aldehyde			0.100		NA
alpha	-Chlordane us-Chlordane			0.05U		1.2
Mirex				0.10U 1.00U		NA
	or-1016			0.50U		0.37
Arock	or-1221			0.50U 0.50U		2 2
Arock	or-1232 or-1242			0.50U		2
Arock	or-1248 or-1254			0.50U 0.50U		2 2
	or-1260			0.50U		2
Dies	OF IMP PROTICIDES CON CON CON CON CON CON CON CON CON CON					
Holdt	OLVED PESTICIDES/PCBS (SWB46 8080) ng time: 7 days to extract, 40 days to analyze	05/18/95	05/20/95			
alpha- beta-B	BHC			0.05U	T	NA NA
delta-I	BHC			0.05U		NA
ратит Неркас	a-BHC (Lindane)			0.05U 0.05U		0.26
Adnin				0.05U 0.05U		0.5
U						
Heptac Endos Dieldri	hlor Epoxide ulfan I			0.05U 0.10U		0.11

ample ID: SHI-1-95-C-0.0 ab ID: SHI1C0 Jutriate Prep Date: 05/09/95			Method Detection Limit	Result	Acute Water Qui Criteria
	Date Extracted	Date Analyzed	<u>ug∕ī,</u> 0,100	ug/L	11g/L 0.33
4-DDE ndrin	 		0.09U		0.09
ndosulisa II			0.100		0.11
4'-DDD (p,p'-TDE)	<u> </u>		0.100		0.55
ndorulfan Sulfate 4'-DDT			0.10U 0.10U	ļ	0.55
lethoxychlor	-		0.50U		NA
ndrin Ketone			.010:J		NA
ndrin Aldehyde		<u> </u>	0.1CU 0.05U		NA 1.2
phs-Chlordane emma-Chlordane	 		0.05U	-	1.2
hrex	 		0.10U	†	NA .
oxaphene			1.00U		0.37
roclor-1016	<u> </u>		0.300	 	2
roclor-1221	ļ		0.50U 0.50U		
roclor-1232 roclor-1242	 		0.50U	1	2
roclor-1248			0.50U 0.50U		2
roclor-1254			0.50U 0.50U	 	2 2
roclor-1260			0.300	 	
RGANOPHOSPHORUS COMPOUNDS (SWB46 \$140):					
olding time: 7 days to extract, 40 days to analyze	05/15/95	05/25/95			
rathion	L		1.0U		0.065
nlorpyrifos	 	ļ	1.00	+	0,083
ICE ODCI NOBUOCRIODIIS COMPONINTS CURIS CHA	1			1	
ISS_ORGANOPHOSPHORUS COMPOUNDS (SW846 8140) olding time: 7 days to extract, 40 days to analyze	05/18/95	05/24/95		1	l
ration			1.0U		0.065
lorpyrifos	ļ		1.0U	ļ	0.083
	 		-	 	
COHOLS/ALDEHYDES (SW846 Modified 8015):	1	l i			
olding time: None	<u> </u>	05/17/95		ļ	
rmaldehyde			5000U		2180
Propanol	ł		5000U 5000U	 	227,750 443,165
Propanol	ł		3000		443,103
TO ALCOHOL CALL DRING DE CIVEAC MANAGE 4010:					
ISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015): olding time: None	l _	05/18/95			
rmaldchyde		77.727	5000U		2180
Propanol			5000U		227,750
Propanol			5000U		443, 165
	06/1006	057005			
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95	,	ł	
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.01	27 And 1997	760
uminum			43.8U 3.6U	67,000 3.6 UN	750 88
ntimony senic			1.60	43.6 N	360
nwn	 		7.90	786 N°	20,500
ryllium			0.20U		NA
ron	ļ		34.9U 0.30U	93.4 B	8050 1.79
romium III			10	426	984.32
romum 111	 		210	39.1 E	95
pper			0.9U	305 N*	9.22
ad			210	425	33.78
newy	5/26/95, 5/31/95	06/05/95	0.20U 3.8U	1.3 118 EN	789.01
ckel			210	7.4 N	20
enium Ver			0.60U	10.4 N	0,92
aliium			3.4U	6.5 BN	65
nsdium			1.20	255 EN	515
ic	<u> </u>		2.10	1150 EN*	65.04
ORGANICS - DISS, METALS (SW846 6000/7000);	05/19/95	5/25/95, 5/31/95		1	
Iding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
urunum			43.8U	685 •	750
timony			3.6U	1	88
enic			1.60	2.6 B	360 20,500
num				1	20,500 NA
vilinum			7.9U 0.20U		
yllium			0.20U 34.9U	128	8050
yllium ron Imium			0.20U 34.9U 0.30U		1.79
ryllium ron dmium romium [1]			0.20U 34.9U 0.30U 1U	128	1.79 984.32
yllium ron dnium romium [II bak			0.20U 34.9U 0.30U 1U 2.1U	4	1.79 984.32 93
yUium ron Imium romium III balk pper			0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U	4	1.79 984.32 95 9.22 33.78
yUlum Imuun Imuun (II Ook Pper M	05/24/95	05/31/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U	4	1.79 984.32 95 9.22 33.78 2.4
ryllium fon dmium romium [II] bak pper ad rcury kel	05/24/95	05/31/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U	4	1.79 984.32 93 9.22 33.78 2.4 789.01
ythium ron dmium romium book oper od drive crury kel	05/24/95	05/31/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U	16.8	1.79 984.32 95 9.72 33.78 2.4 789.01
yDium ton tmium romium [1] bak typer d d trury kel emium	05/24/95	05/31/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	150 ° 16.8 16.8 0.60 UN	1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65
ythium ron timium romium [1] bak pper d rcary kel eren ver	05/24/95	05/31/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	16.8 16.8 0.60 UN	1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515
Pyllium ron dmium romum [1] bult pper dd recuy iel enum erer	05/24/95	03/31/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	150 ° 16.8 16.8 0.60 UN	1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65
Pyllium ron dmium romium bolk bolk pper ad recury kel ereium ver allium nadium	05/24/95	05/51/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	16.8 16.8 0.60 UN	1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515
Pyllium for dmium romium [II] bak pper M ficury itel emium ver allium nadium G ORGANICS - OTHER (Results in mg/Lik	05/24/95		0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	150 16.8 16.8 10.4 B 10.4 B	1.79 984 32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04
Pyllium rom and and and and and and and and and and	65/24/95	05/12/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	16.8 16.8 0.60 UN	1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515
ryllium ron un dmium ron um III bala pper ad roury stel ienium ver allium nadium tc CORGANICS - OTHER (Results in mg/Li): loride romium VI mide	05/24/95	05/12/95 05/12/95 05/12/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	150 16.8 16.8 10.4 B 10.4 B	1.79 984 32 93 9.72 33.78 2.4 789.01 20 0.972 65 515 65.04
Pyllium for dmium for dmium for mium [11] bak pper for d for mium for for mium for for mium for for mium for for for mium for for for for for for for for for for	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.601 0.01U 0.01U	4 190 16.8 16.8 0.60 UN 10.4 B 104	1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 63 515 65.04
ryllium ron dmium ron dmium romium [II] balt pper ad d ricury i-i-el i-el i-en i-en i-en i-en i-en i-en i-en i-en	65/24/95	05/12/95 05/12/95 05/12/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	150 16.8 16.8 10.4 B 10.4 B	1.79 984 32 93 9.72 33.78 2.4 789.01 20 0.972 65 515 65.04
rythium romum romum III bala supper ad ad ad accury ctel lenium ver allium nadium tc CORGANICS - OTHER (Results in mg/Li): loride romium VI sunde	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.601 0.01U 0.01U	4 190 16.8 16.8 0.60 UN 10.4 B 104	1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 63 515 65.04
rythium ron dmium ron dmium rondum [II] bak pper ad dd recury itel itel tenum ver allium nadium ite ORGANICS - OTHER (Results in mg/L): loride promium VI mide ial Residual Chlorine ial Ruspended Solids SS. INORGANICS - OTHER (Results in mg/L):	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	4 4 150 16.8 16.8 16.8 10.4 B 10.4 B 10.4 20 21.80	1.79 984 32 98 98 432 98 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04 86,000 NA 22 19 NA
rythium rom and and and and and and and and and and	65/24/95	05/1295 05/1295 05/1295 05/1295 05/1295 05/1295	0.20U 34.9U 0.30U 11U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.1U	4 190 16.8 16.8 0.60 UN 10.4 B 104	1.79 984 32 98 98.27 98.27 33.78 2.4 789.01 20 0.992 65 515 65.04 86,000 NA 22 19 NA
rythium ron dmium ron dmium rondum [II] bak pper ad dd recury itel itel tenum ver allium nadium ite ORGANICS - OTHER (Results in mg/L): loride promium VI mide ial Residual Chlorine ial Ruspended Solids SS. INORGANICS - OTHER (Results in mg/L):	05/24/95	05/12/95 05/12/95 05/12/95 05/12/95 05/12/95	0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	4 4 150 16.8 16.8 16.8 10.4 B 10.4 B 10.4 20 21.80	1.79 984 32 98 98 432 98 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04 86,000 NA 22 19 NA

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

	Date Extracted	Date Analyzed	Method Detection Limit ve/L	Result vg/L	Acute Water Qual Criteria ne/L
VOLATILE ORGANICS (SW846 8240):					
Holding time: 14 days		05/15/95			
Actions Acrolem			100	70	446,000
Acronomicale		 	1000	 	643
Senzen:		1	100		640
iromodichloromethane			10U		NA
tremoform		L	10U		1825
promomethane			100	12	NA 161 000
-Butanone (MEK) Serbon Tetrachloride			10U	12	161,000 2780
-Chloroethylvinylether			100		17,500
Chlorobenzene			100		1180
hioroethane		·	100		NA
hioroform			10U		1945
hloromethane			100		NA
2-Dichloropropane			100	·	10,825
1-Dichloroethane 2-Dichloroethane			100		NA 15,440
1-Dichloroethene			100		7460
hbromochloromethane			100		6750
2-trans Dichloroethylene			ioù		1000
is-1,2-Dichloroethene			IOU		305
s-1,3-Dichloropropene			UQI		305
ans-1,3-Dichloropropene			IOU		2900
thylbenzene			100		21,400
-Hexamone			10U		26,000
Methyl-2-Pentanone (MIBK)			160		11,840
lethylene Chloride			10U	2 JB	NA 695
syrene etrachloroethylene			10U		1040
1,1,2-Tetrachloroethane			100		NA NA
1,2-Tetrachloroethane			100		1040
oluene			100		1650
l, 1-Trichloroethane			10U		3025
1,2-Trichloroethane			100		3390
richloroethene (TCE)			10U		2250
inyl Chloride			10U		NA NA
vienes (Total)			100		1055
EMIYOLATILE ORGANICS (SW846 8270): olding lime: 7 days to extract, 40 days to extract	05/15/95	05/23/95			
nenol			100		100
s(2-chloroethyl)ether			100		30,000
Chlorophenol			100		560
3-Dichlorobenzene			100		345
4-Dichlorobenzene 2-Dichlorobenzene			10U		730 820
Methylphenol			100		NA NA
s(2-chlorosopropy) ether			100		4,545
Methylphenol			100	· · · · · · · · · · · · · · · · · · ·	NA.
-Naroso-di-n-propylamine			iõu		NA NA
exachloroethane			IOU		60
ntrobenzene			100		4,040
ophorone			JōU		10,400
Nitrophenol			100		8,000
4-Dimethylphenol			IOU		660
4-Dichlorophenol					
			100		1,635
2.4-Trichlorobenzene			100	·· ·	130
2.4-Trichlorobenzene aphihalene			100		130
2.4-Trichlorobenzene aphthalene Chlorosmiline			10U 10U 10U		130 135 NA
2.4-Trichlorobenzene sphilalene Chlorosniline szekhlorobutsdiene			10U 10U 10U 10U		130 135 NA 10
2.4-Tirchlorobenzene zphthalene			10U 10U 10U 10U 10U		130 135 NA 10 NA
2.4-Trichlorobenzene sphihalene Chlorosailine szachlorobuszkiene (2-Chlorosthoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			10U 10U 10U 10U		130 135 NA 10
2.4-Trichlorobenzene zphthalene Chlorowilline zuschlorobutakiene (?-Chlorokhoxy/methane Chloro-3-methylphenol (p-chloro-m-cresol) zuschlorocyclopentakiene (.4-Trichlorophenol (.4-Trichlo			10U 10U 10U 10U 10U 10U 10U 10U		130 135 NA 10 NA 155
2.4-Tirklorobenzene ipskhalene Chlorosniline Chlorosniline 2.7-Chloroshoxylmethane (2.7-Chloroshoxylmethane (2.7-Chloroshoxylmethane (2.7-Chloroshoxylmethane (3.7-Tirklorophenol (3.7-Tirklorophenol (3.7-Tirklorophenol (3.7-Tirklorophenol			10U 10U 10U 10U 10U 10U 10U 10U 50U		130 135 NA 10 NA 155 5 5
2.4-Tirchlorobenzene sphthalene Chlorosulline suschlorobutskiene (3.2-Chloroshoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) suschlorocyclopentadiene (3.5-Tirchlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 133 NA 10 NA 155 5 5 100 NA
2.4-Trichlorobenzene sphthalene Chlorosuline suschlorobuszdiene (2-Chloro-hethylphenol (p-chloro-m-cresol) suschlorocyclopentadiene (3-Trichlorophenol (3-Trichlorophenol Chlorosphthalene methylphenol Chlorosphthalene			10U 10U 10U 10U 10U 10U 10U 10U 50U 10U		130 135 NA 10 NA 155 5 5 100 NA 2,475
2.4-Trichlorobenzene sphthalene Chlorosulline exachlorobenzdiene st 2-Chlorothoxy/methane (Ri-2-Chlorothoxy/methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4.5-Trichlorophenol (A.5-Trichlorophenol Chloromaphihalene methyl phihalate emethyl phihalate emethyl phihalate emethyl phihalate emethyl phihalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 135 NA 10 NA 155 5 5 100 NA 2475 NA
2.4-Tirchlorobenzene zphthalene Chlorosalline exachlorobuskdiene st, 2-Chloroshoxylmethane Chloros-J-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene st, 6-Trichlorophenol 4.5-Trichlorophenol Chlorosaphthalene methyl phthalase emphyl phthalase emphyl phthalase emphyliene 6-Duntrotoluene			10U 10U 10U 10U 10U 10U 10U 10U 50U 10U		130 133 NA 10 NA 155 5 100 NA 2,473 NA 990
2.4-Tirchlorobenzene spikhalene Chlorosruline exachiorobendiene st 2-Chloroshoxy jmethane (3-2-Chloroshoxy jmethane (3-2-Chloroshoxy jmethane (4-Tirchloropensadiene st-S-Tirchloropensadiene (4-Tirchlorophenol (4-S-Tirch			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 135 NA 100 NA 100 NA 155 5 5 100 NA 2.475 NA 990 85
2.4-Tirchlorobenzene iphthalene Chlorosalline zachlorobutzkiene (3.2-Chloroshoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) zachlorocyclopentadiene (3.5-Tirchlorophenol (3.5-Tirchlorophenol (3.5-Tirchlorophenol Chlorosaphthalene znethyl phthalate emphhylmene S-Duitrotoluene emphhylene S-Duitrotoluene emphhylene S-Duitrotoluene Emphhylene S-Duitrotoluene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 135 NA 10 NA 155 5 100 NA 2,475 NA 990 85 655
2.4-Trichlorobenzene spikhalene Chloroeniline xxx.hiorobuzudiene (X-Chloroeniloxy)methane (X-Chloroeniloxy)methane (X-Chloroeniloxy)methane (X-Chloroeniloxy)methane (X-Trichloropeniloxy) (X-Trichlor			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 135 NA 10 NA 10 NA 155 \$ \$ 100 NA 2,475 NA 990 85 655 2,335
2.4-Tirchlorobenzene iphthalene Chlorosanline izachlorobuzatiene (3.2-Chlorothoxymethane Chloros-J-methylphenol (p-chloro-m-cresol) izachlorocyclopentadiene (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (3.4-Tirchlorophenol (4.4-Tirchlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 133 NA 10 NA 10 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590
2.4-Tirchlorobenzene spibhalene Chlorosmiline (2.7-Chloroshoxy)methane (2.7-Chloroshoxy)methane (2.7-Chloroshoxy)methane (3.7-Chloroshoxy)methane (3.7-Tirchloropentadiene (4.7-Tirchlorophenol (3.7-Tirchlorophenol		10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 133 NA 10 NA 10 NA 155 5 5 100 NA 2,473 NA 990 85 6555 2,335 1,590 4,000	
2.4-Tirchlorobenzene iphthalene Chlorosailine zachlorobuzatiene (2.2-Chloroshoxylmethane Chloros-3-methylphenol (p-chloro-m-cresol) zachlorocyclopentadiene (3.5-Tirchlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 133 134 10 10 10 10 155 5 5 100 100 100 100 100
2.4-Tirchlorobenzene zphthaltene Zphthalte			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 135 NA 100 NA 100 NA 155 5 5 100 NA 2475 NA 990 85 655 2,335 1,590 4,000 NA NA
2.4-Tirchlorobenzene iphthalene Chlorosaline exachlorobuszkiene g (2-Chloroshoxylmethane Chloros-Imethylphenol (p-chloro-m-cresol) exachlorocyclopentadiene g. 6-Trichlorophenol d.5-Trichlorophenol d.5-Trichlorophenol chlorosapthhalene methylphthalene emphtylene 6-Dunitrotoluene emphtylene 6-Dunitrotoluene emphtylene 6-Dunitrotoluene ethylphthale Dunitrotoluene ethylphthale ethylphthale ethylphthale ethylphthale ethylphthale ethylphthale ethylphthale ethylphthale ethylphthale ethylphthale Ethoro-ethylphenol ethylphthale Ethoro-ethylphenol Ethoro-ethylphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol Ethorosodiphenylsphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 133 134 10 10 10 10 155 5 100 100 100 100 100 1
2.4-Tirchorobenzene spikhalene Spikhalene Chlorosenline (2.7-Chloroshoxy)methane (3.7-Chloroshoxy)methane (4.7-Tirchorophenol (p-chloro-m-cresol) xzachlorocyclopentadiene (4.5-Tirchorophenol (3.5-Tirchorophenol Chlorospikhalene methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate methyl pikhalate Distrotoluene methyl pikhalate Chlorophenyl phenylether morrane Distrotolue			10U 10U		130 133 NA 100 NA 100 NA 155 5 100 NA 2473 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA 295 2770
2.4-Tirchlorobenzene iphthalene Chlorosalline izachlorobuzatiene (3.2-Chloroshoxymethane Chloros-J-methylphenol (p-chloro-m-cresol) izachlorocyclopentadiene (4.4-Tirchlorophenol (4.5-Tirchlorophenol (5.5-Tirchlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 133 NA 10 NA 10 NA 155 5 5 100 NA 2,473 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4-Tirchorobenzene spikhalene Chlorosniline (3.2-Chloroshoxymethane (3.2-Chloroshoxymethane (3.2-Chloroshoxymethane (3.2-Chloroshoxymethane (3.2-Tirchorophenol (3.2-			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 133 NA 100 NA 100 NA 155 5 100 NA 2473 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA 295 2770
2.4-Tirchlorobenzene iphthalten Chlorosniline izar.hlorobuzatiene (2Chloroshoxy methane (3Chloroshoxy methane (3Chloroshoxy methane (4Tirchlorophenol (p-chloro-m-cresol) izar.hlorocyclopentatiene (5Tirchlorophenol (5Tirchlorophenol (5Tirchlorophenol Chloronaphthaltene methyl phthalate enaphthylene -Dunitrotoluene enaphthene (1-Dinitroohenol Nitrophenol -Drattotoluene ethylphhalate ethylphhalate -Drattotoluene ethylphhalate -Drattotol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 133 NA 10 NA 10 NA 155 5 100 NA 2,473 NA 2,473 NA 990 85 6555 2,335 1,590 4,000 NA NA NA NA NA 293 270 NA NA e (1.005(pH)-4,830)
2.4-Tirchlorobenzene spikhalene Chlorosenline (3.2-Chlorosenline) (3.2-Chlorosenline) (3.2-Chlorosenloxy)methane (3.2-Chlorosenloxy)methane (3.2-Chlorosenloxy)methane (4.3-Tirchlorophenol (3.3-Tirchlorophenol (3.3-Tirchlorophenol (3.4-Tirch			10U 10U		130 133 NA 10 NA 10 NA 155 \$ \$ 100 NA 2,473 NA 990 85 655 2,335 1,590 NA NA NA NA NA NA 293 270 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4-Tirchlorobenzene phthalare Chloromiline xxchlorobuzdiene (2Chlorodhoxymethane Chloro-3-methylphenol (p-chloro-m-cresol) xxchlorocyclopentadiene (3Tirchlorophenol (3Tirchlorophenol (3Tirchlorophenol Chloromphthalene methyl phthalase methyl phthalase methyl phthalase emphthylene -Dunitrotoluene emphthene -Dunitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene emphthene -Dinitrotoluene -D			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 135 NA 10 NA 10 NA 155 5 100 NA 2,475 NA 2,475 NA 990 85 6555 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4-Tirchlorobenzene phthalene Chlorosniline xxshlorobutadiene (2-Chloroshoxy methane (2-Chloroshoxy methane (3-Chloroshoxy methane (3-Chloroshoxy methane (3-Tirchlorophenol (3-Tirchlo			10U 10U		130 133 NA 10 NA 10 NA 1155 5 100 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,575 NA 2,335 1,590 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4-Tirchlorobenzene enhulatene Chlorosniline (2-Chloroshoxy pmethane (3-Chloroshoxy pmethane (4-Chloroshoxy pmethane (5-Chloros-3-methylphenol (p-chloro-m-cresol) xxxchlorocyclopentadiene (5-Tirchlorophenol (5-Tirchloroph			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		130 135 NA 10 NA 10 NA 135 5 100 NA 2475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 260 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4-Tirchlorobenzene iphthalene Chlorosulline Chlorosulline Chlorosulline (2.7-Chloroshoxy methane (3.7-Tirchlorophenol (p-chloro-m-cresol) zzachlorocyclopentadene (4.7-Tirchlorophenol (5.7-Tirchlorophenol (5.7-Tirchlorophenol Chloronaphthalene methyl phthalate empthylne 5-Dunitrotoluene expoluthene 1-Dunitrotoluene expoluthene 1-Dunitrophenol Narophenol -Dunitrophenol Narophenol -Dunitrophenol Narophenol -Dunitrophenol Narophenol -Dunitrophenol Narophenol -Dunitrophenol Narophenol -Dunitrophenol Narophenol -Dunitrophenol Narophenol -Dunitrophenol Narophenol -Dunitrophenol			10U 10U		130 133 NA 10 NA 10 NA 135 S 5 100 NA 2,473 NA 2,473 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4-Tirchorobenzene phthalene Chlorosniline xxchlorobuzdiene (2Chloroshoxy)methane (3Chloroshoxy)methane (3Chloroshoxy)methane (3Chloroshoxy)methane (3Tirchlorophenol (3Tirchlorophenol Chlorosphthalene methyl phthalate emphthylene -Dunitrotolusne emphthylene -Dunitrotol			10U 10U		130 133 NA 100 NA 100 NA 1355 5 100 NA 2,475 NA 990 85 6555 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4-Tirchlorobenzene phthalene Chlorosruline (2-Chlorobenzeliene (3-C-Chlorobenzeliene (3-C-Chlorobenzeliene (3-C-Chlorobenzeliene (4-C-Chlorobenzeliene (4-Chlorobenzeliene (4-Tirchlorophenol (4-Tirchlorophenol (4-Tirchlorophenol (5-Tirchlor			10U 10U		130 135 NA 10 NA 10 NA 155 5 5 100 NA 2,475 NA 2,475 NA 990 85 6555 1,590 4,000 NA NA NA NA NA 1,595 270 NA NA 103 270 NA 103 104 105 200 NA 140 NA 0,3
2.4-Tirkhorobenzene zphluhene Zaschloroseniline exacthorobenzidiene (3.2-Chloroseniline exacthorobenzidiene (3.2-Chloroseniline exacthorobenzidiene (3.2-Chloroseniline exacthorobenzidiene (3.2-Chloroseniline) (3.2-Chloroseniline) (3.3-Tirkhorophenol (4.3-Tirkhorophenol		10U 10U		130 135 135 135 136 136 135 136 136 135 135 135 135 136	
2.4-Tirchlorobenzene sphuhalene chlorosmiline czachlorobuzskiene (2Chloroshoxy jmethane (3Chloroshoxy jmethane (3Chloroshoxy jmethane (4Chloroshoxy jmethane (5Tirchlorophenol (10U 10U		130 135 NA 10 NA 10 NA 155 S 100 NA 2,475 NA 990 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 100 NA NA NA NA NA NA NA 105 105 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4-Tirchlorobenzene zachlahene Chlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline exchlorosvuline excupithylene 6-Dinitrosluene excupithylene 6-Dinitrosluene excupithylene 6-Dinitrosluene exchlorosvuline exchlo			10U 10U		130 135 NA 100 NA 150 NA 150 NA 155 5 100 NA 2473 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 100 NA 105 NA 105 NA 106 NA 107 NA 107 NA 108 NA 100 NA
2.4-Tirchlorobenzene spikhalene Chlorosruline exschlorobensdiene st 2-Chloroshoxy/methane (A-Chloroshoxy/methane Chloro-3-methylphenol (p-chloro-m-cresol) exschlorocyclopentaskiene 4.5-Tirchlorophenol 4.5-Tirchlorophenol Chloronspikhalene methylphene 4.5-Tirchlorophenol Chloronspikhalene methylphene 6-Dunitrooluene eruspikhylene 6-Dunitrooluene eruspikhylene 6-Dunitrooluene eruspikhylene 6-Dunitrooluene eruspikhene 6-Dunitrooluene erhyphikalase Chlorophenyl-phenylether uorene 5-Dinitro-2-methylphenol Nerosodiphenylennins Bromophenyl-phenylether spikhorobenzene machlorobenzene machlorophenol eruspikhene spikhya-methylether spikhya-methylphenol eruspikhene spikhya-methylphenol eruspikhene spikhya-methylphenol eruspikhene spikhya-methylphenol eruspikhene spikhya-methylphenol eruspikhene spikhya-methylphenol eruspikhene spikhya-methylphenol eruspikhene spikhya-methylphenol eruspikhene spikhene spikhene spikhya-methylphenol			10U 10U		130 135 NA 100 NA 150 NA 150 NA 155 5 100 NA 2473 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 100 NA 105 NA 105 NA 106 NA 107 NA 107 NA 108 NA 100 NA
2.4-Tirchlorobenzene sphhalene Chlorosruline exschlorobenzilne exschlorobenzilne exschlorobenzilne exschlorobenzilne exschlorosruline exschloroschoxylmethane (Moro-3-methylphenol (p-chloro-m-cresol) exschloroschopenzischene exchloroschopenzischene exchloroschopenzischene exchloroschopenzischene exchloroschopenzilne exchlorosphenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenyl-phenylether sorene extlyphihalate extlyphihalate extlyphihalate (A.5-Tirchlorophenyl-phenylether sorene extlyphihalat			10U 10U		130 133 134 135 136 137 138 139 139 139 139 139 139 139 139 139 139
2.4-Tirchlorobenzene sphhalene Chlorosruline exschlorobenzilne exschlorobenzilne exschlorobenzilne exschlorobenzilne exschlorosruline exschloroschoxylmethane (Moro-3-methylphenol (p-chloro-m-cresol) exschloroschopenzischene exchloroschopenzischene exchloroschopenzischene exchloroschopenzischene exchloroschopenzilne exchlorosphenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenol (A.5-Tirchlorophenyl-phenylether sorene extlyphihalate extlyphihalate extlyphihalate (A.5-Tirchlorophenyl-phenylether sorene extlyphihalat			10U		130 133 134 135 136 137 138 139 139 139 139 139 139 139 139 139 139
2.4-Tirchlorobenzene inhulatene Chlorosmiline (X-Chlorosmiline (X-Chloroshoxy)methane (A-Chloroshoxy)methane (A-Chloroshoxy)methane (A-Chloroshoxy)methane (A-Tirchlorophenol (A-Tirchlo			10U 10U		130 133 NA 100 NA 100 NA 155 5 100 NA 2475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 103 104 NA 105 105 NA 106 NA 107 NA 108 NA 108 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4. Tirchlorobenzene phthalane Chlorosmilin			10U 10U		130 135 NA 100 NA 135 NA 100 NA 135 5 5 100 NA 2475 NA 2475 NA 990 85 6555 2,335 1,590 4,000 NA NA NA NA 103 200 NA 140 NA 140 NA 140 NA 140 NA 100 NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
2.4-Tirchlorobenzene inchlalene Chlorosniline Chlorosniline (3.2-Chloroshoxy)methane (3.2-Chloroshoxy)methane (3.2-Chloroshoxy)methane (3.2-Chloroshoxy)methane (3.2-Tirchlorophenol (3.2-Tirchlorophenol (3.2-Tirchlorophenol Chloronaphthalene methyl phthalate erusphthylene -Dunirotolume erusphthylene -Dunirotolume erusphthene -Dunirotolume erusphthalene -Dunirotolume erusphthalese -Dunirotolume erusphthylene -Dunirotolume erusphthene -Dunirotolume -Dunirotolume -Dunirotolume erusphthene -Dunirotolume -D			10U 10U		130 133 135 136 136 137 138 138 139 139 139 139 139 139 139 139 139 139
2.4-Tirchlorobenzene inhibalene Chlorosniline Chlorosniline (2Chloroshoxylmethane (3Chloroshoxylmethane (3Chloroshoxylmethane (3Chloroshoxylmethane (3Tirchlorophenol (3Tirchl			10U 10U		130 135 NA 100 NA 100 NA 155 5 5 100 NA 2,475 NA 2,475 NA 990 85 6555 1,590 4,000 NA NA NA NA 103 103 200 NA 140 NA 140 NA 140 NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA

W. Arreit

Sample ID: SHI-1-95-C-6.7 Lab ID: SHII C6 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quality Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270); Holding time: 7 days to extract, 40 days to extract	05/12/95	05/23/95			
Phenol bis(2-chloroethyl)ether			100		100 30,000
2-Chlorophenol			100		560
1,3-Dichlorobenzene 1,4-Dichlorobenzene		l	100		730 730
1,2-Dichlorobenzene			100		820
2-Methylphenol bis(2-chloroisopropyl)ether			10U		NA 4,543
4-Methylphenol			100		NA
N-Nitroso-di-n-propylamine			100		NA 60
Hexachloroethane Narobenzene		 	10U		4,040
lsophorons			10U		10,400 8,000
2-Nirrophenol 2-4-Dimethylphenol			10U		660
2.4-Dichlorophenol			100		1,68\$
1,24-Trichlorobenzene Naphthalene	 	 	10U		130
4-Chloroaniline			100		NA
Hexachlorobutadiene			10U		10 NA
bis[3-Chloroethoxy]methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			10U		153
[Hexachlorocyclopentadiene			10U		3
24,6-Trichlorophenol 24,5-Trichlorophenol			10U 50U		3 100
2-Chloronaphthalene			10U		NA
Dimethyl phthalate			10U		2,475 NA
Acenaphthylene 2,6-Dinirotoluene	 		100		990
Acenaphthene			100		85
2.4-Dunitrophenol 4-Nutrophenol			30U 30U		655 2,335
2.4-Dinitrotoluene			U01		1,590
Diethylphihalate 4-Chlorophenyl-phenylether	+		10U		4,000 NA
Fluorene	1		10U		NA
4,6-Dinitro-2-methylphenol			500		NA 295
N-Nitrosodiphenylamine			100		270
4-Bromophenyl-phenylether Hexachlorobenzene			100		NA
Pentachlorophenol Phenanthrene	 		50U 10U		e (1.005(pH)-4,830)
Anthracene			10U		NA
Di-n-butyl phthalste			10U 10U		105 200
Fluoranthene Pyrene	 		100		NA NA
Butylbenzyl phthalate			100		140
3,3-Dichlorobenzidine Benzo(a;-subracene	 		20U 1U		0.5
C			100		NA NA
Bis/2-Fibvihery) ohthalate			100		NA 100
Di-n-cor) phihalate Benzo(b)fluoranthene Benzo(k)fluoranthene	 		100		NA NA
Benzo(k)[luoranthene			100		NA.
Benzo(a)pyrene (BaP) indeno(1,2,3-cd)pyrene	+		10U		NA NA
Dibenz(a,h)anthracene			100		NA
Benzo(g.h.i)perylene N-nurosodimethylamine			10U 100U		NA 17,100
Benzidine			1000		295
1,2-Diphenyl-n-hydrazine Benzyl Alcohol			100U		NA
Benzyl Alcohol			100		NA.
PESTICIDES/PCBS (SW846 8080) Holding time: 7 days to extract	05/15/95	05/19/95			
alpha-BHC	07.127		0.05U		NA
beta-BHC delta-BHC			0.05U 0.05U		NA NA
earnina-BHC (Lindane)			0.05U		3
Heptachlor			0.05U		0.26
Aldrin Heptachlor Epoxide	1		0.05U 0.05U		0.5
endorulfun i			0.05U		0.11
Dieldrin 1,4-DDE	 	i	0.10U 0.10U		1.25 0.55
ndna			0.09U		0.09
Endorulfan II I,4'-DDD (p.p'-TDE)			0.10U 0.10U		0.11
Endorulfan Sulfate			0.100		0.11
(A.DDT	II				0.55
I,4'-DDT			0.10U		NA.
Methoxychlor Endrin Ketone					NA NA
Methoxychlor Endrin Ketone Endrin Aldehyde			0.10U 0.50U 0.10U 0.10U		NA. NA.
Methoxychlor Endrin Ketone Endrin Aldehyde Upha-Chlordane			0.10U 0.50U 0.10U		NA
Methorychlor Endru Ketone Endru Aldehyde Ipha-Chlordane Ismna-Chlordane direx			0.10U 0.50U 0.10U 0.10U 0.05U 0.05U 0.10U		NA NA 1.2 1.2 NA
Methoxyttlor Endrin Alcone Endrin Aldehyde Ipha-Chlordane Jamma-Chlordane dura Josaphene			0.10U 0.50U 0.10U 0.10U 0.05U 0.05U 0.05U 0.10U 1.00U		NA NA 1.2 1.2
Methoxyttlor Endrin Atone Endrin Aldehyde Ipha-Chlordane gamma-Chlordane dura Gusphene voctor: 1016 Voctor: 1016			0.10U 0.50U 0.10U 0.10U 0.05U 0.05U 0.05U 1.00U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2
Methoxythor Endrin Alebyde Indrin Alebyde Ipha-Chlordane samma-Chlordane forsphene voctor-1016 voctor-1221 voctor-1232			0.10U 0.50U 0.10U 0.00U 0.05U 0.05U 0.05U 0.00U 0.50U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2 2
Methoxyttlor Endrin Katone Endrin Aldehyde Upha-Chlordane Jamma-Chlordane Jamma-Chlordane Josephene Voctor: 1016 Voctor: 1221 Voctor: 1232 Voctor: 1232 Voctor: 1234 Voctor: 1234			0.10U 0.50U 0.10U 0.10U 0.05U 0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2
Methoxyethor Endrin Aldehyde Ipha-Chlordane samma-Chlordane dirix Josephene voctor-1016 voctor-1221 voctor-1232 voctor-1242 voctor-1248 voctor-1248			0.10U 0.50U 0.10U 0.10U 0.10U 0.10U 0.0SU 0.10U 0.0SU 0.10U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2
Methoxyethor Endrin Aldehyde Ipha-Chlordane samma-Chlordane dirix Josephene voctor-1016 voctor-1221 voctor-1232 voctor-1242 voctor-1248 voctor-1248			0.10U 0.50U 0.10U 0.10U 0.05U 0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2
Methoxyttlor Endrin Aldehyde Lipha-Chlordane Sirva Sir	05/18/95	05/20/95	0.10U 0.50U 0.50U 0.50U 0.50U 0.65U 0.65U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2
wishoxychlor Indrin Katone Indrin Aldehyde Ipha-Chlordane Ipha-Chlordane Issuma-Chlordane I	05/1875	05/20/75	0.10U 0.50U 0.10U 0.10U 0.10U 0.10U 0.05U 0.05U 0.10U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2
Methoxythlor Endrin Aldehyde Lipha-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junclor-1016 Junclor-1211 Junclor-1221 Junclor-1232 Junclor-1242 Junclor-1242 Junclor-1248 Junclor-1248 Junclor-1248 Junclor-1259 JUNCLOR-125	05/18/95	05/20/95	0.10U 0.50U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.50U 0.05U 0.05U 0.05U 0.05U 0.05U		NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 3 NA NA NA NA
Methoxytellor Endrin Aldehyde Lipha-Chlordane Samma-Chlordane Mirra Oszphene vocior-1016 vocior-1221 vocior-1221 vocior-1232 vocior-1242 vocior-1242 vocior-1248 vocior-1254 vocior-1254 vocior-1254 vocior-1254 vocior-1254 vocior-1256 DISSOLVED PESTICIDES/PCRS (SW846 8080) Idding time: 7 days to extract, 40 days to extract lipha-BHC eta-BHC eta-BHC eta-BHC summa-BHC (Lindane)	05/18/95	05/20/95	0.10U 0.50U 0.10U 0.10U 0.10U 0.10U 0.05U 0.05U 0.10U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2
Methoxytellor Endrin Katone Endrin Aldehyde Lipha-Chlordane Jamma-Chlordane Mirra Oszphene vocior-1016 vocior-1221 vocior-1232 vocior-1242 vocior-1242 vocior-1248 vocior-1254 vocior-1254 vocior-1254 vocior-1256 DISSOLVED PESTICIDES/PCBS (SW846 8080) folding time: 7 days to extract, 40 days to extract lipha-BHC ela-	05/18/95	05/20/95	0.10U 0.50U 0.10U 0.10U 0.10U 0.10U 0.05U 0.10U 0.50U		NA NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 1 1 NA NA NA NA NA NA NA 1 0.26
Methoxythlor Endrin Aldehyde Lipha-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junna-Chlordane Junclor-1016 Junclor-1211 Junclor-1221 Junclor-1232 Junclor-1242 Junclor-1242 Junclor-1248 Junclor-1248 Junclor-1248 Junclor-1259 JUNCLOR-125	05/18/95	05/2095	0.10U 0.50U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.10U 0.50U		NA NA 1.2 1.2 1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 3 NA NA NA NA NA NA NA NA 1 0.26

iample ID: SHI-1-95-C-6.7 ab ID: SHI1C6 Clutriate Prep Date: 05/09/95	Date Extracted	Data Archaed	Method Detection Limit ug/L	Result ug/L	Acute Water Qui
3-DDE	Date Extracted	Date Analyzeo	0.100	ug/Li	0.55
กตาก			0.09U		0.09
ACONDO (2 PCTOE)		 	0.10U 0.10U	 	0.11 0.55
4'-DDD (p,p'-TDE) ndesulfan Sulfate			0.10U		0.11
4'-DDT			0.10U 0.50U	 	0.55 NA
Methoxychlor Indan Ketone			0.100		NA.
ndrin Aldehyde			0.10U		NA.
pha-Chlordane		L	0.05U 0.05U		1.2
emma-Chlordene firex		ļ	0.10U	 	NA NA
o raphene			1.00U		0.37
roclor-1016			0.50U 0.50U	 	2 2
roclor-1221 roclor-1232		 	0.50U		2
roclor-1242			0.50U		2
rocior-1248			0.50U 0.50U	 	2 2
roclor-1254 roclor-1260		 	0.50U		2
RCANOPHOSPHORUS COMPOUNDS (SW846 8140):	}	.			
olding time: 7 days to extract, 40 days to extract	05/15/95	05/25/95			
ration			1.00		0.063
nlorpyrifos			1,00		0.083
ICE ODGANOBUOERUODIIE COMPONINDS CENTAS STA	m-				
ISS. ORGANOPHOSPHORUS COMPOUNDS (SW846 814 olding time: 7 days to extract, 40 days to extract	05/18/95	05/24/95		L	
rathion			1.00		0.065 0.083
hlorpynifos		[1.00	 	0.083
COUNT SALE DE HYDES (SWEAR Madified BOLS)				 	
LCOHOLS/ALDEHYDES (SW846 Modified 8015):		05/17/95]	
olding time: None	 	בצווועט	500073	 	2180
omaldehyde Propanol			5000U 5000U	 	227,750
Propanol			5000U		443,165
ISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	ì				
olding time: None		05/18/95	5000U		2180
ormaldehyde Propanol			3000U		227,750
roganol			5000U		443,165
ORGANICS - TOTAL METALS (SW846 6000/7000);	05/18/95	05/20/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U		750
timony			3.6U	238,000 5.4 BN	88
senic .			1.60	77.0 N	360
nun			7.90	2020 N° 6.9	20,500 NA
rythum ron			0.20U 34.9U	327	8050
-roum			0,30U	4.7 B	1.79
romium III			10	573 153 E	984.32 95
balt			2.1U 0.9U	153 E 207 N°	9.22
oper ad			2.10	[30 •	33.78
TOMY .	5/26/95, 5/31/95	06/05/93	0.20U		2.4
kel			3.8U 2.1U	323 EN 2.1 BN	789.01 20
enium Ver	 		0.60U	3.1 DN	0.92
allium			3.4U	7.9 BN	65
adium			1.2U 2.1U	448 EN 1180 EN*	515 65.04
ne			2.10	1100 EN	63.04
ORCANICE DISS METALS CHECK COOLUMN	05/19/95	5/25/95, 5/31/95	·		
ORGANICS - DISS. METALS (SW846 6000/7000):	all except Hg	all except Hg			
lding time: 6 mo. (28 days Hg)	an except hig	an courty rig	43.8U	8800 *	750
шполу			3.6U	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	88
enic jum			1.6U 7.9U	5.2 B 522	20,500
yllium			0.20U	1.1 B	NA
on	-		34.90	296	8050
mium omium III			0.30U IU	17	1.79 984.32
Salt			2.10	9.6 B	95
per			0.9U	109 * ~	9.22
d cury	05/24/95	05/31/95	2.1U 0.20U	18.8	33.78 2.4
kel	2201133		3.80	11.5 B	789.01
nium .	1		2.10	2.3 B 0.60 UN	20 0.92
er Lium	 		0.60U 3.4U	U.60 UN	65
nadium			1.20	22.4 B	515
	4		2.10	237	65.04
ORGANICS - OTHER (Results to mg/L):	1	05/12/95	טו	20	86,000
loride romium VI	 	05/12/95	0.01U		NA
rude		05/22/95	0.010		22
al Residual Chlorine	+	05/12/95 05/12/95	0.1U 1U	10,100	19 NA
al Suspended Solids		V3/12/33		10,100	
SS. INORGANICS - OTHER (Results to me/L):	1				
oride		05/22/95	10	20	86,000
romium VI	1	05/12/95 05/22/95	0.01U 0.01U	T	NA 22
					44
mide al Residual Chlorine	 	05/12/95	0.10		19

Definitions:

NA - Not Available

togL - micrograms per Liter, parts per billion

rag-L - miligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

ample ID: SHI-2-95-C-0.0 ab ID: SHI2C0 lutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ng/L	Result ug/L	Acute Water Qua Criteria ug/L
CATILE ORGANICS (SW846 8140):					
olding time: 14 days	_	05/15/95			
H.T.C.			10U	130	446,000
rolest			1000		455
TANTONIO COMPANIO COM			100		640
madehloromethane			100		NA.
oma (orm			100		1825
on methane			100	·	NA 161,000
Brustone (MEK)			100		2780
Dicroethylvinylether			100		17,500
lambenzene			100		1180 NA
ioroethane ioroform			100		1945
documethane			100		NA
-Darhloropropane			100		10,B25
-Da-hloroethane		<u> </u>	100		15,440
-Darhloroethane -Darhloroethane			100		7460
-pendroenere recochloromethane			100		6750
-trans Dichloroethylene			10U		1000
-1,2-Dichloroethene			100		305
-13-Dichloropropene			100		305 2900
ns-1,3-Dichloropropene		 	100		21,400
icanone			100		26,000
MEZY-2-Penianone (MIBK)			10U	, , , ,	11,840
in me Chloride			100	4 JB	NA 693
Tabloroethylene			100		1040
L2-Tetrachloroethane			10U		NA
L2-Tetrachloroethane 22-Tetrachloroethane			10U		1040
			100		1650
.1-Trichloroethane		<u> </u>	100		3025 3390
:-Trichloroethane		 	10U		2250
n' Chloride			10U		NA
les (Total)			100		1053
NEVOLATILE ORGANICS (SW846 8270): Managetime: 7 days to extract, 40 days to analyze	05/15/95	05/23/95			
mol			100		100
(3-chloroethyl)ether			100		30,000
Lorophenol			100		560 345
Sxhlorobenzene Sxhlorobenzene		ļ	100		730
-D::hlorobenzene			100		820
in_viphenol			100		NA
1-chloroisopropyl)ether			100		4,545
(e_ylphenol			100		NA NA
vc oso-di-n-propylamine			100		60
robenžene			100		4,040
phorone			10U		10,400 8,000
nerophenol					
Residual and		 	100		
O:methylphenol			10U 10U		660 1,685
Omethylphenol Omhlorophenol			10U 10U 10U		660 1,685 130
Omethylphenol Ochlorophenol 4-Tinchlorobenzene Kraslene			10U 10U 10U 10U		1,685 130 135
Omehylphenol Dishlorophenol Finchlorobenzene Finchlorobenzene Finchlorobenzene Finchlorobenzene			10U 10U 10U 10U 10U		660 1,685 130 135 NA
Omehylyhenol D:hlorophenol - inchlorobenzene x::zalene A:roronalline			10U 10U 10U 10U 10U		660 1,685 130 135 NA 10
Smehlylphenol Schlorophenol Finchlorobenzene Schloren Schlorobenzene Schloren Schlorobenzene Schlorobutadiene Schlorobenzy imethane Schlorobenozy imethane			10U 10U 10U 10U 10U		660 1,685 130 135 NA
Smehylphenol			10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 135 NA 10 NA 155 5
Smahlylphenol Schlorophenol 4-Trichlorobenzene Schlorophenol 1-Trichlorobenzene Schlorophenol 1-Trichlorophenol 1-Trichlorophenol 1-Trichlorophenol 1-Trichlorophenol 1-Trichlorophenol 1-Trichlorophenol 1-Trichlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 135 NA 10 NA 155 5
Smahlylphenol Schlorophenol Trichlorobenzene Stradene Ecropariline Chlorobutadiene Chlorobutadiene Chlorobutadiene Chlorobutadiene Chlorobutadiene Chlorobutadiene Smo-D-methylphenol (p-chloro-m-cresol) acclorocycloperiadiene 5 Trichlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 135 NA 10 NA 155 5 5
Smethylphenol Schlorophenol 4-Trichlorobenzene Schlorobenzene Schlorobenzene Schlorobenzene Schlorobutadure Schlorobutadure Schlorobutadure Schlorobutadure Schlorobutadure Schlorobutadure Schlorobutadure Schlorophenol Schlorophenol Schlorophenol Schlorophenol Schlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 135 NA 10 NA 155 5
Densehylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 133 135 14A 10 10 135 5 5 100 100 100 100 100 100 100 100 10
Demohylphenol Dechlorophenol Dechl			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 135 135 14A 10 NA 155 5 5 100 NA 2,475 NA
Demohylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 135 MA 10 NA 155 5 100 NA 2,475 NA 990 B5
Denselylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 135 NA 10 NA 10 NA 2,475 NA 2,475 NA 9990 85 655
Demohylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 133 NA 10 NA 155 5 100 NA 2,475 NA 990 85 655 2,335
Demohylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 135 NA 10 NA 155 5 100 NA 2,475 NA 990 85 635 2,335 1,590 4,000
Demokrytyphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 135 MA 10 NA 155 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA
Smethylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 135 130 135 14 10 10 10 10 10 10 10 10 10 10 10 10 10
Demohylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 135 135 136 10 10 10 10 10 10 10 10 10 10 10 10 10
Demahlyphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 135 MA 10 NA 155 5 100 NA 2,475 NA 990 85 655 2,335 1,590 NA NA NA NA NA NA NA NA NA NA NA NA NA
Demokrytyphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 131 131 131 14 10 15 15 15 100 16 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19
Demahylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 131 131 131 14 10 15 15 15 100 16 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19
Demohylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 131 131 131 14 10 15 15 15 100 16 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19
Smelylyphenol 5. Tichlorophenol 6. Tichlorophenol 6. Tichlorobenzene 6. Trooniline 1. Tichlorobutadiene 1. Tichlorobutadiene 1. Tichlorophenol 1. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 6. Tichlorophenol 7. Tichlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 135 MA 10 NA 155 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
Smehlylphenol Schlorophenol 4 Tichlorobenzene Kradene Faronalline Schlorobenzene Kradene Faronalline Schlorobenzene Kradene Faronalline Schlorophenol Faronalline 4 Tichlorophenol Faronalline 4 Tichlorophenol Faronalline Fa			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 130 135 NA 10 NA 155 NA 100 NA 155 5 100 NA 2,475 NA 990 85 655 655 2,335 1,590 NA NA NA NA NA NA NA NA NA NA NA NA NA
Smelylyphenol - Sinchlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,595 130 135 MA 10 NA 155 5 100 NA 2,475 NA 990 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
Zmehylphenol - Tnchlorobenzene - Tnchlorobenzene - Tnchlorobenzene - Tnchlorobenzene - Tnchlorobenzene - Tnchlorobenzene - Tnchlorobenzene - Tnchlorobenzene - Tnchlorobenzene - Tnchlorophenol - Tnchl			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 130 135 137 138 139 139 131 10 10 135 5 5 100 100 100 100 100 100 100 100 10
Smelylyphenol Scholorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,595 130 135 MA 10 NA 155 5 100 NA 2,475 NA 990 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
Emelylphenol Enhotophenol Finchlorobenzene Enlorobenzene Enlorobenzene Enlorobenzene Enlorobenzene Enlorobenzene Enlorobenzene Enlorophenol (p-chloro-m-cresol) analorocyclopensediene Finchlorophenol Erronaphthalene Enlorophenol Erronaphthalene Enlorophenol Erronaphthalene Enlorophenol Endobene Enlorophenol Endobenel Enlorophenol Endobenel Enlorophenol Endobenel Enlorophenol Endobenel Enlorophenol Endobenel Enlorophenol Endobenel Enlorophenol Endobenel			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,685 130 130 135 MA 10 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
Smelylyphenol Schlorophenol Finchlorophenol Finchlorophenol Finchlorobenzene Schlorophenol Finchlorobundere Chronothine Chronothine Chronothine Chronothine Finchlorophenol Finchlorophenol Finchlorophenol Latronaphthalene Early phthaliste maphthylene Churcholuene Chronothine Chronot			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,685 130 130 135 MA 10 NA 155 5 100 NA 2,475 NA 990 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,095 130 130 135 NA 10 NA 155 5 100 NA 155 5 100 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,575 NA 1,590 NA 1,5
Zmehylphenol - Tinchlorobenzene - Tinchlorobenzene - Tinchlorobenzene - Tinchlorobenzene - Tinchlorobenzene - Tinchlorobenzene - Tinchlorobenzene - Tinchlorobenzene - Tinchlorophenol - Tinchlor			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,685 130 130 135 MA 10 NA 155 5 100 NA 2,475 NA 990 NA 990 4,000 NA NA NA NA NA NA 100 NA 105 NA NA NA NA NA NA NA NA NA NA NA NA NA
Smelylyphenol 5-zholorophenol 6-yholorobenzene x. zalene forromuline actionobutadiene 1-chloroebnoxymethane 1-zhoroebnoxymethane 1-zhoroebnoxymethane 1-zhoroebnoxymethane 1-zhoroebnoxymethane 6-yholoroebnool 5-yholoroebnool 5-yholoroebnool 5-yholoroebnool 5-yholoroebnool 5-zirrotoluene 1-zirrotoluene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,095 130 130 135 NA 10 NA 155 155 100 NA 155 5 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
Smelylyphenol Scholorophenol Schilorophenol Schilorophenol Scholorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,095 130 130 135 NA 10 NA 155 155 NA 100 NA 155 5 100 NA 2,475 NA 100 NA NA NA NA NA NA NA
			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,585 130 130 135 MA 10 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 165 200 NA 165 200 NA 160 NA 160 NA 160 NA NA 160 NA NA NA NA NA NA NA NA NA NA NA NA NA
Smelylyphenol Scholorophenol 4 Tichlorobenzene Scholorophenol 4 Tichlorobenzene Scholorophenol 4 Tichlorobenzene Scholorophenol 5 Tichlorophenol 5 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 6 Tichlorophenol 7 Tichlorophen			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,085 1,085 1,090 1,35 MA 10 NA 10 NA 155 5 100 NA 2,475 NA 990 85 6555 2,335 1,590 4,000 NA NA NA NA 105 205 270 NA 105 200 NA 105 200 NA 105 200 NA NA NA NA NA NA NA NA NA NA NA NA NA
Smelylyphenol Scholorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,095 1,005 1,
Zmelyjphenol - Tichlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		660 1,685 1,685 1,590 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,

Sample ID: SHI-2-95-C-0.0 Lab ID: SHI2C0 Elutriale Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit	Result	Acute Water Quality Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/12/95	05/23/95			
Phenol		- V3 - 2 - 2	10U		100 30,000
pis(2-chloroethyl)ether 2-Chlorophenol			10U		560
1,3-Dichlorobenzene 1,4-Dichlorobenzene		<u> </u>	100	i	34.5 730
1,2-Dichlorobenzene			100		820 NA
2-Methylphenol bis(2-chloroisopropyl)ether			100		4,545
f-Methylphenol N-Nitroso-di-n-propylamine		 	10U	ļ	NA NA
Hexachloroethane Nitrobenzene			100		4,040
sophorone			10U 10U		10,400 8,000
2-Nitrophenol 2-4-Dimethylphenol			100		660
2.4-Dichlorophenol 1.2.4-Trichlorobenzene			100	<u> </u>	1,685
Naphthalene			100		135 NA
-Chloroaniline Hexachlorobuladiene			100	<u> </u>	10
ois (2-Chloroethoxy)methane 1-Chloro-3-methylphenol (p-chloro-m-cresol)		ļ <u> </u>	100		NA
lexachlorocyclopentadiene			100		3
24,6-Trichlorophenol 24,5-Trichlorophenol			500		100
2-Chloronaphthalene Dimethyl phthalate		 	100		2,475
Acensphhylene 2 6-Dinitrotoluene			10U 10U		NA 990
Acenaphthene			10U		85
2.4-Dinitrophenol I-Nitrophenol			50U 50U	 	655 2,335
2.4-Dinitrotoluene			10U		1,590 4,000
Diethylphthalste I-Chlorophenyl-phenylether			100	<u> </u>	NA.
luorene , 6-Dinitro-2-methylphenol			10U 50U		NA NA
N-Nitrosodiphenylamine			100		295 270
i-Bromophenyl-phenylether lexachlorobenzene			10U 10U		NA
ensechlorophenol Phenanihrene			50U 10U		e (1.005(pH)-4,830)
Anthracene			100		NA 105
Di-n-buryl phthalste Tuoranthene			100	 	200
Pyrene Sutylbenzyl phihalate			100		NA 140
3'-Dichlorobenzidine			20Ŭ		NA.
Senzo(a)anthracene Turysene			100		0.5 NA_
ing 2-Ethylhexyl)phthalste Di-n-octyl phthalste			1U 10 U	10	NA 100
Senzo(b)fluoranthene			100		NA NA
Penzo(k)Buoranihene Penzo(a)pyrene (BaP)			100	T	NA
ndeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene			10U		NA NA
Senzo(e, h, i)perylene			10U		NA 17,100
l-nitrosodimethylamine Jenzidine			U001		295
.2-Diphenyl-n-hydrazine Benzyl Alcohol			1000		NA NA
icital) Actional					
PESTICIDES/PCBS (SW846 8080) Ioiding time: 7 days to extract, 40 days to analyze	05/15/95	05/19/95		l	ì
ipha-BHC	031373	0319193	0.05U		NA.
eta-BHC slia-BHC			0.05U 0.05U		NA_ NA
amma-BHC (Lindane) leptachlor			0.05U		0.26
Jdrin			0.05 U		1.5
leptachlor Epoxide Indosulfen I			0.05U 0.05U		0.5 0.11
heldrin 4'-DDE			0,10U 0,10U	0.11	1.25 0.55
ndrin			0.09U 001.0		0.09
ndorulfen li 4'-DDD (p.p'-TDE)			0.10U		0.55
ndosulfan Sulfate 4'-DDT		 -	0.10U 0.10U		0,11 0,55
fethoxychlor			0.50U 0.16U		NA NA
ndrin Ketone ndrin Aldehyde			0.10U		NA
phs-Chlordane anna-Chlordane	 	—— -	0.05U 0.05U		1.2
lirex			0.10U 1.00U		NA 0.37
oxaphene roclor-1016			0.50U		2
roclor-1221 roclor-1232	-		0.50U 0.50U		2 2
roclor-1242			0.50U 0.50U		2 2
roclor-1248 roclor-1254			0.500		2
roclor-1260			0.50U		2
ISSOLVED PESTICIDES/PCBS (SW846 B08D)					
olding time: 7 days to extract, 40 days to analyze pha-BHC	05/18/95	05/20/95	0.05U		NA_
eta-BHC			0.05U 0.05U		NA NA
			0.05U		<u> </u>
elia-BHC emma-BHC (Lindane)			V.V.00		
mma-BHC (Lindane)			0.05U		0,26 1.5
mma-BHC (Lindane)			0.05U 0.05U 0.05U 0.05U		

ample ID: SHI-2-95-C-0.0 ab ID: SHI2C0 lutriate Prep Date: 05/09/95			Method Detection Limit	Result	Acute Water Qu Criteria
	Date Extracted	Date Analyzed	υ <u>e</u> /L	ng/L	ug/L 0.55
4-DDE			0.70U 0.09U	<u> </u>	0.55
ndrin ndosulfan II			0.100	 	0.03
4-DDD (p.p-TDE) idosulfan Sulfate	1		0.100		0,55
			0.100		0.11
4'-DDT		<u> </u>	0,10U 0,50U	 	0.53 NA
ethoxychlor ndrin Ketone			0.10U	 	NA NA
ndrin Aldehyde		 	0.10U	 	NA
pha-Chlordane			0.05U		1.2
mma-Chlordane			0.05U		1.2
irex			0.10U 1,00U	 	0.37
oxaphene octor-1016	+	 	0.50U		2
roclor-1221			0.50U		2
oclor-1232			0.50U		2
rocior-1242			0.50U		2
ocior-1248			0,50U 0,50U	ļ	2 2
oclor-1254 oclor-1260			0.50U		2
000-1200				 	
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):					
olding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95	· · · · · · · · · · · · · · · · · · ·		
richion			1.60		0.063
lorpyrifos			1.00	 	0.083
		 			
ISS. ORGANOPHOSPHORUS COMPOUNDS (SWB46 B) 4	05/18/95	05/24/95		į	
olding time: 7 days to extract, 40 days to analyze	V3/18/93	V 24 24 Y 3	1.00	 	0.065
Jorpynioe	 	 	1.00	i	0.083
COHOLS/ALDEHYDES (SW846 Modified 8015):		1		1	
olding time: None	l	05/17/95		1	
	 		5000U		2180
rmaldehyde Propanol		 	5000U	 	227,750
Propanol			5000U		443,165
SS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	l	1]	
olding time: None		05/18/95			
rmaldehyde			5000U 5000U	ļ	2180 227,750
Propend Propend			50000	l	443,165
Toyalot	 			· · · · · · · · · · · · · · · · · · ·	
ADAL NUAC TATAL METAL C (1997)	05/18/95	05/20/95			
ORGANICS - TOTAL METALS (SWB46 6000/7000):		1 1			
iding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7/0
umnum			43.8U	153,000 S	750 88
timony serisc		 	3.6U 1.6U	93.1 N	360
num			7.90	1610 N°	20,500
ryllium			0.20U		ŇA
ron			34.90	210	8050
dmiwn			0.30U IV	34.0 976	1.79 984,32
romum III bah			2.10	118 E	95
pper			0.9U	373 N°	9.22
d			2.10	789	33.78
гсшу	5/26/95, 5/31/95	06/05/95	0.20U	2.3	2.4
kel			3.8U	255 EN	789.01
rnium			2.1U 0.60U	9,5 N 19,1 N	0.92
ver Album	 		3.40	113 N	65
nachum nachum	+	 	1.20	670 EN	515
C			2.10	2210 EN*	65.04
ORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95			
iding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
minum			43.8U	1130 *	750
imony			3,6U 1.6U	3.6 B	360
enic Ium			7.9U	3.6 B	20,500
vilium	+		0.20U		NA NA
on			34.9U	241	8050
mium			0.30U		1.79
omuum III			10	9	984.32 95
rait	+		2.1U 0.9U	104 *	9.22
per 1	·		2.10	17.7	33.78
rwy	05/24/95	05/31/95	0.20U		2.4
tel .			3.80		789.01
nium er	+		2.IU 0.60U	0.60 UN	20 0.92
er Urum	1	······································	3.40		65
adium	1		1.20	18.9 B	515
			2.10	125	65.04
	+				
RGANICS - OTHER (Results in me/L):	j 1				***
oride		05/12/95 03/12/95	0,01U	19	86,000 NA
omium VI nude	· 	05/22/95	0.01U		22
l Residual Chlorine	†	05/12/95	0.10		19
Suspended Solids		05/12/95	iŭ	5660	NA
	1				
S. INORGANICS - OTHER (Results in mg/L):	1		1	1	
onde	ļl	05/22/95	10	19	86,000
onium VI nide	+	05/12/95 05/22/95	0.01U 0.01U		NA 22
· uon					19
Rendual Chlorine	, ,	05/12/95	0.10	•	

3

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per milion

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

bit: greater than or equal to Instrument DL (inorganics)

- Duplicate analysis now within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: SHI-2-95-C-5.1 Lab ID: SHI2C5 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit vg/L	Result	Acute Water Quality Criteria ug L
OLATILE ORGANICS (SW846 8240):	DATE ESTIMATE				
	l .	05/15/95	ŀ	i	
Iolding time: 14 days	 		100	22	446,000
Acrolein			100U		455
Acrylonitrile	 		100U		645 640
denzene Promodichloromethane	 		100	i — —	NA.
Promoform			10U		1825
Bromomethane			100	ļ	NA 161,000
-Butanone (MEK)	 		10U		2780
arbon Tetrachloride -Chloroethylvinylether	 		100		17,500
hlorobenzene			100		1180
Thloroethane	<u> </u>		100		NA 1943
hloroform	 		100		NA.
Informethane ,2-Dichloropropane	- 		100		10,825
, I-Dichloroethane			10U		NA NA
,2-Dichloroethane			10U	<u> </u>	15,440 7460
,1-Dichloroethene Dibromochloromethane	 		100		6750
,2-trans Dichloroethylene			100		1000
ns-1,2-Dichloroethene			100		305 303
is-1,3-Dichloropropene			100	ļ 	2900
rsus-1,3-Dichloropropene Lhylbenzene	 		100		21,400
-Hexanone			100		26,000
-Methyl-2-Penisnone (MIBK)	ļ		100		11,840
dethylene Chloride	 		100	2 JB	NA 695
Styrene eurschloroethylene	 		100		1040
1.1.2-Tetrachloroethane	1		100		NA
1,2,2-Tetrachloroethane			100		1040 1650
Toluene	 		100		3025
,1,1-Trichloroethane ,1,2-Trichloroethane	+		100	-	3390
nchloroethene (TCE)			100		2250
/inyl Chloride			100		NA 1055
(ylenes (Total)			100		1033
EMIYOLATILE ORGANICS (SW846 8279): folding time: 7 days to extract, 40 days to analyze	05/15/95	05/23/95			
'henol	L		100		30,000
us(2-chloroethyl)ether	 		100		360
-Chlorophenol ,3-Dichlorobenzene			100		345
4-Dichlorobenzene			100		730
,2-Dichlorobenzene			10U		820
-Methylphenol			10U 10U		NA 4,545
is(2-chloroisopropyl)ether -Methylphenol			10Ü		NA
-Nitroso-di-n-propylamine	1		10U		NA
lexischloroethane			100		4,040
hirobenzena pophorone	 		100		10,400
			100		8,000
-Numbere OI					
-Nitropherol 4-Dimethylphenol			100		660
4-Dimethylphenol 4-Dichlorophenol			10U 10U		1,635
4-Dimethylphenol 4-Dichlorophenol 24-Trichlorobenzene			10U 10U 10U		1,635
4-Dimethylphenol 4-Dichlorophenol 2-Dichlorophenol 2-Dichlorobenzene anhihalene			10U 10U 10U 10U 10U		1,685 130 135 NA
4-Dimethylphenol -,4-Dichlorophenol -,3-Trichlorobenzene taphthalene -Chloroaniline Exachlorobutadiene			10U 10U 10U 10U 10U 10U		1,685 130 135 NA 10
4-Dimethylphenol ,4-Dimethylphenol ,2-4-Trichlorobenzene aphthalene -Chloroaniline terachlorobuladiene terachlorobuladiene terachlorobuladiene			10U 10U 10U 10U 10U 10U 10U		1,685 130 135 NA 10 NA
4-Dimethylphenol ,4-Dichlorophenol ,24-Trichlorobenzene taphihalene -Chloroamiline texachlorobutadiene sig 2-Chloroethoxylmethane -Chloro-m-cresol)			10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 NA 10
4-Dimethylphenol 4-Dimethylphenol 2,4-Trichlorobenzene saphthalene Chlorosmiline exachlorobutadiene isyachlorobutadiene isyachlorobutadiene isyachlorobutadiene isyachlorobutadiene isyachlorobutadiene Chloro-T-methylphenol (p-chloro-m-cresol) isyachlorocyclopeniadiene 4-6-Trichlorory henol			10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 NA 10 NA 10 10 55
4-Dimethylphenol 2,4-Tricklorobenzene iaphilanne -Chloroaniline -Chloroaniline -Chloro-3-methylphenol (p-chloro-m-cresol) texchlorocytopenadiene 4,6-Tricklorog venol 4,8-Tricklorog venol 4,8-Tricklorog venol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 NA 10 NA 155 5 5 100
4-Dimethylphenol 4-Dimethylphenol 2-4-Trichlorobenzene sphthalene Chloroaniline erszchlorobuszkiene is/2-Chlorochoxy/methane Chloro-3-methylphenol (p-chloro-m-cresol) erszchlorocyclopeniadene 4-6-Trichlorog-nenol 4-5-Trichlorog-nenol Chloronaphylmane			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,685 130 135 NA 10 NA 10 10 55
4-Dimethylphenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,2-Chlorochoxylmethane Chloro-3-methylphenol 2,6-Tricklorophenol 4,6-Tricklorophenol 2,5-Tricklorophenol Chloronaphthalene Dimethylphenol Chloronaphthalene Dimethylphenol Chloronaphthalene Dimethylphenol Dimethylphe			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 100 NA 155 5 5 100 NA 2,475 NA
4-Dimethylphenol 2,4-Dichlorophenol 2,4-Trichlorobenzene zahluhalene -Chloroaniline exachlorobusakiene sig-C-Chlorochoxylmethane -Chloro-3-methylphenol (p-chloro-m-cresol) teachlorocyclopentadiene 4,6-Trichlorop-inol 4,5-Trichlorop-inol -Chloronaphhiane unethyl phuhalase censphulylphene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 100 NA 155 5 5 100 NA 2,475 NA
4.Dimethylphenol 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,5-Trichlorobenzene 2,5-Trichlorobenzene 2,5-Trichlorop-methylphenol (p-chloro-m-cresol) 2,2-Chlorochoxylmethane 4,6-Trichlorop-mol 4,5			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 100 NA 155 5 5 100 NA 2,475 NA
4. Dimethylphenol 4. Dimethylphenol 2, 4-Trichlorobenzene aphthalene Chloroaniline exachlorobusdiene exachlorobusdiene (5/2-Chlorochoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4.6-Trichlorop, cnol 4.6-Trichlorop, cnol Chloronaphthalene innethyl phthalase ezeraphtylene 6-Dimtrotoluene ezensphikene 4-Dimtrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 135 100 101 10 NA 135 5 5 100 NA 2,475 NA 990 85
4. Dimethylphenol 4. Dimethylphenol 2, 4-Trichlorobenzene aphthalene Chloroaniline exachlorobusdiene exachlorobusdiene (5/2-Chlorochoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4.6-Trichlorop, cnol 4.6-Trichlorop, cnol Chloronaphthalene innethyl phthalase ezeraphtylene 6-Dimtrotoluene ezensphikene 4-Dimtrophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 100 NA 155 5 5 100 NA 2,475 NA
4. Dimethylphenol 4. Dimethylphenol 2, 4-Trichlorobenzene zahluhalene Chloroaniline exachlorobusakiene sig (2-Chlorochoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) teaschlorocytopentadiene 4. 6-Trichlorop-enol 4. 5-Trichlorop-enol Chloroaphhulane unethyl phthalate censplithylene 6-Dimitrotoluene censplithylene 6-Dimitrotoluene censplithylene 4-Dimitrotoluene 4-Dimitrophenol Nitrophenol Nitrophenol 4-Dimitroduene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 100 NA 105 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000
4Dimethylphenol 4Dimethylphenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 2,4-Trichlorophenol 3,4-Trichlorophenol 4,5-Trichlorophenol 4,5-Trichlorophenol 4-Dimitrobluene 2,4-Dimitrobluene 2,4-Dimitrobluene 3,4-Dimitrobluene 4,4-Dimitrobluen			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 140 101 101 102 103 103 104 105 105 100 100 100 100 100 100 100 100
4-Dimehylphenol 2,4-Tacklorobenzene aphthalme —Chloroaniline Exachlorobusadene Si2-Colloroethoxy)methane Chloros-I-mehylphenol (p-chloro-m-cresol) Exachloropy (boomadaine) 4,5-Tackloropy enol 4,5-Tackloropy enol 4,5-Tackloropy enol Chloronaphthalane unethyl phthalase censphibylene 6-Dimirotoluene censphibene 4-Dimirotoluene censphibenol Nitrophenol 4-Dimirotoluene tensphibalase censphibalase censphibalase censphibalase censphibalase censphibalase censphibalase censphibalase censphibalase censphibalase consphibalase consphibalase consphibalase consphibalase consphibalase consphibalase consphibalase Chlorophenyl-phenylether unorene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 135 130 135 130 100 100 100 155 5 5 100 100 100 100 10
4. Dimethylphenol 4. Dimethylphenol 2, 4. Tinklorobenzene sphihalene Chlorosailine exachlorobusidene sig 2-Chloroshoxylmethane Chloro-3-methylphenol (p-chloro-m-cresol) exachlorocytopentadiene 4, 6. Ticklorop-enol 4, 5. Ticklorop-enol 4, 5. Ticklorop-enol Chloronaphthalene unethyl phihalaz exasphoylene 6-Dimtrooluene exasphoylene 4-Dimitrooluene Chloronenol 4-Dimitrooluene Exhiphihalaz Chloronenol 4-Dimitrooluene Exhiphihalaz Chlorophenol Chlorophenol Chlorophenol Chlorophenyl-phenylether uorene 6-Dimitro-2-methylphenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 140 101 101 102 103 103 104 105 105 100 100 100 100 100 100 100 100
4.Dimethylphenol 2,4-Dimethylphenol 2,4-Trichlorobenzene zaphhalare Chloroaniline exachlorobusadiene exachlorobusadiene exachloro-3-methylphenol (p-chloro-m-cresol) texachlorocyclopentadiene 4,6-Trichlorop-inol 4,5-Trichlorop-inol 4,5-Trichlorop-inol 4,5-Trichlorop-inol 6,5-Trichlorop-inol		10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 100 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 NA NA NA NA NA NA NA NA NA 295 2770	
4. Dimethylphenol 2, 4-Trichlorobenzene 2, 4-Trichlorobenzene 2, 4-Trichlorobenzene 2, 4-Trichlorobenzene 2, 4-Trichlorobenzene 2, 4-Trichlorobenzene 2, 4-Trichlorobenzene 2, 4-Trichlorobenzene 2, 4-Trichlorobenzene 3, 2-Trichlorobenzene 4, 6-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 4, 5-Trichlorop benol 5-Dinutrotolluene 2-Ensphiblene 4-Dinutrotolluene 2-Ensphiblene 4-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 2-Dinutrotolluene 3-Dinutrotolluene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 137 130 135 130 130 135 140 155 5 5 100 100 100 100 100 100 100 10
4. Dimethylphenol 2.4-Trichlorobenzene aphthalene Chlorosaniline exachorobundene (Si 2-Chloroschoxy)methane (Chloros-1-methylphenol (p-chloro-m-cresol) exachorocyclopentadiene 4.6-Trichlorop-mol 4.5-Trichlorop-mol Chloronaphthalene muthyl phthalste censphthylene 6-Drutrotoluene exemphone 4-Drutrotoluene exemphone 4-Drutrotoluene exemphonel 4-Drutrotoluene 6-Drutrotoluene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 100 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 NA NA NA NA NA NA NA NA NA 295 2770
4. Dimethylphenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,3-Tricklorophenol 2,3-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 3,5-Tricklorophenol 3,5-Tricklorophenol 4,5-Tricklorophenol		10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 100 NA 100 NA 1155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA 225 270 NA	
4. Dimethylphenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,3-Tricklorophenol 2,3-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 3,5-Tricklorophenol 3,5-Tricklorophenol 4,5-Tricklorophenol		10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 NA 100 NA 110 NA 1155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA	
4-Dimehylphenol 2,4-Ticklorobenzene aphthalme Chloroaniline exachlorobusdene sig2-Chlorochoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol) exachloropy-topensadene 4,6-Tickloropy-tonol 4,5-Tickloropy-tonol 4,5-Tickloropy-tonol Chloronaphthalene methyl phhalase examphylene 6-Dimitrotoluene examphibene 4-Dimitrotoluene examphibene 4-Dimitrotoluene examphibene 4-Dimitrotoluene examphibene 6-Dimitrotoluene examphibene 6-Dimitrotoluene examphibene 6-Dimitrotoluene examphibene 6-Dimitrotoluene examphibenol Nitrophenol Nitrophenol 6-Dimitro-2-methylphenol Nitrophenol Mitrosodiphenyl-phenylether uorene 6-Dimitro-2-methylphenol Nitrosodiphenyl-phenylether examphibenol morene Bromophenyl-phenylether examphibenol hitrophenol hitrop			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 NA 100 NA 155 5 5 100 NA 2,475 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA 2275 NA NA NA NA 270 NA NA NA 270 NA e (1,005(pH)-4,830) 5 NA 105
4. Dimethylphenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 5. Ticklorophenol 2, 5. Ticklorophenol 2, 5. Ticklorophenol 2, 5. Ticklorophenol 2, 5. Ticklorophenol 2, 5. Ticklorophenol 2, 5. Ticklorophenol 3, 5. Ticklorophenol 4. Dinitrophenol 4. Dinitrophenol 4. Dinitrophenol 4. Dinitrophenol 5. Dinitrophenol 6			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 131 131 131 132 133 134 135 135 135 135 135 135 135 135 1,550 14,000 15,4 16,5 16,5 17,5 17,5 17,5 17,5 17,5 17,5 17,5 17
4-Dimehylphenol 2,4-Tacklorobenzene aphthalene Chloroaniline exachlorobusadene sig2-Chloroethoxy)methane (Chloro-3-methylphenol (p-chloro-m-cresol) exachloropy-topensadene 4,6-Tackloropy-enol 4,5-Tackloropy-enol 4,5-Tackloropy-enol Chloronaphthalene methyl phthalase censphthylene 6-Dimitrotoluene censphtene 4-Dimitrotoluene censphtene 4-Dimitrotoluene censphtene 6-Dimitrotoluene censphtene 6-Dimitrotoluene censphtene 6-Dimitrotoluene censphtene 8-Dimitrotoluene censphtene 9-Dimitrotoluene censphtene 1-Dimitrotolu			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 NA 100 NA 155 5 5 100 NA 2,475 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
4-Dinchylphenol 2,4-Ticklorobenzene aphthalene Chlorosaniline exachlorobenzene aphthalene Chloros-Imelylphenol (p-chloro-m-cresol) exachlorocyclopentadiene (3,5-Tichlorop-mol 4,5-Tichlorop-mol 4,5-Tichlorop-mol 4,5-Tichlorop-mol Chloronaphthalene unethylphthalese censphitylene 6-Dinitro-line 6-Dinitro-line 1-Dinitrooluene exachlorocyclopentadiene 6-Dinitrooluene exachlorocyclopentadiene 6-Dinitrooluene exachlorophenol Nitrophenol Nitrophenol -Dinitrooluene exhylphthalase Chlorophenyl-phenylether uotrene 6-Dinitro-2-methylphenol Nitrosdiphenylamine Bronophenyl-phenylether exachlorobenzene entachlorophenol entantirene nobracene nobracene entachlorophenol entantirene nobracene nobracene entachlorophenol entantirene nobracene nobracene nobracene -n-buryl phthalase orrantiene mortene -n-buryl phthalase orrantiene ytybentyl phthalase			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 NA 100 NA 100 NA 155 5 5 100 NA 2,475 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
4-Dinchylphenol 2,4-Ticklorobenzene aphthalene Chlorosaniline exachlorobundiene sig 2-Chloroschoxylmethane Chloros-Imethylphenol (p-chloro-m-cresol) exachlorocyclopentadiene 4,6-Ticklorop enol 4,5-Ticklorop enol 4,5-Ticklorop enol 4,5-Ticklorop enol Chloronaphthalene unethyl phthalste cenaphthylene 6-Dintirotoluene exnephiene 4-Dintirotoluene exnephiene 4-Dintirotoluene exnephiene 4-Dintirotoluene exnephiene 6-Dintirotoluene exnephiene 6-Dintirotoluene extenphiene 1-Dintirotoluene extenphiene 1-Dintirotoluene extenphienel 1-Dintirotoluenel 1-Dintirotol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 130 135 NA 100 NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA 295 270 NA e (1,005(pH)-4,830) 5 NA 105 200 NA 140 NA
4-Dintrophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,4-Tricklorophenol 2,3-Tricklorophenol 2,3-Tricklorophenol 4,5-Tricklorophenol 4,5-Tricklorophenol 4,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 2,5-Tricklorophenol 3,5-Tricklorophenol 4,5-Tricklorophenol 4,5-Tricklorophenol 4-Dintrophenol 5-Dintrophenol 5-Dintrophenol 6-Dintrophenol 7-Dintrophenol 8-Dint			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 NA 100 NA 100 NA 155 5 5 100 NA 2,475 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
4-Dinchylphenol 2,4-Ticklorobenzene aphthalene Chloroaniline exachlorobundene Sig-Colloroaniline exachlorocytopentadiene (Sig-Collorobenzene) aphthalene (Sig-Collorobenzene) (Si			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 135 NA 136 137 NA 130 138 NA 130 130 NA 135 5 5 130 NA 2,475 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA 295 270 NA 6 (1,005(pH)-4,830) 5 NA 105 200 NA 140 NA 104 NA 105 200 NA 140 NA 104 NA 105 106 NA NA 107 107 108 NA 108 NA 109 N
4. Dimethylphenol 2.4 Tricklorophenol 2.4 Tricklorophenol 2.4 Tricklorophenol 2.4 Tricklorophenol 2.4 Tricklorophenol 2.5 Tricklorophenol 2.5 Chlorochoxylmethane Chloro-3-methylphenol (p-chloro-m-cresol) Essakhlorocytopentadiene 4.6 Tricklorop-anol 4.5 Tricklorop-anol 4.5 Tricklorop-anol Chlorosphthalene unethyl phthalate cresphthylene 6-Dirutrochluene essaphthene 4-Dirutrophenol Nitrophenol ADirutrochuene esthylphthalate Chlorophenyl-phenylether uorene 6-Dirutro-2-methylphenol Nitroodiphenyl-phenylether uorene 1-Dirutrochuene esthylphthalate Bromophenyl-phenylether uorene 1-Dirutrochuene esthylphthalate promophenyl-phenylether uorene 1-Dirutrochuene estachlorophenol ensathrene nurveene 1-D-utyl phthalate uorene 1-Dirutrochuene 2-Direktorobenzidne moro(s) Buthalate 1-Direktorobenzidne moro(s) Buthalate 1-Dirocyl phthalate 1-Dirocyl phthalate 1-Dirocyl phthalate 1-Dirocyl phthalate 1-Dirocyl phthalate 1-Dirocyl phthalate 1-Dirocyl phthalate 1-Dirocyl phthalate 1-Dirocyl phthalate 1-Dirocyl phthalate			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 NA 101 NA 135 5 5 100 NA 2,475 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA 103 270 NA 104 105 200 NA 140 NA 105 200 NA 140 NA NA NA NA NA 105 NA NA NA NA NA NA NA NA NA NA NA NA NA
4. Dimehylphenol 2,4-Tr. Allorobenzene aphthalme Chlorosalline exachlorobundene (Si 2-Chlorosalline exachlorosylmethane Chloros-I-methylphenol (p-chloro-m-cresol) exachlorosylmethane 4,6-Tr. Chlorop-mol 4,5-Tr. Chlorop-mol 4,5-Tr. Chlorop-mol Chloronaphthalene methyl phthalase ensphthylene 6-Dintirosolume eensphthene 4-Dintirosolume eensphthene 4-Dintirosolume eensphthene 6-Dintirosolume eensphthene 6-Dintirosolume eensphthene 6-Dintirosolume eensphthene 6-Dintirosolume eensphthene 6-Dintirosolume eensphthene 6-Dintirosolume eensphthene 6-Dintirosolume eensphthene 6-Dintirosolume eensphthene 6-Dintirosolume eensphthene 6-Dintirosolume eensphthene ensphthene 6-Dintirosolume entylphthalase Bromophenyl-phenylether luorene Bromophenyl-phenylether exachlorobenzene ensphthene ensphthene grene ensphthene grene ensphthene grene ensphthene grene ensphthene grene ensphthene grene ensphthene grene ensphthene grene ensphthene ensphthene ensphthalase ensphthalase enspothbluoramthene enspothbluoramthene enspothbluoramthene enspothbluoramthene enspothbluoramthene enspothbluoramthene enspothbluoramthene enspothbluoramthene enspothbluoramthene enspothbluoramthene enspothbluoramthene enspothbluoramthene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 130 135 13
4. Dimehylphenol 2.4 Tacklorobenzene aphthalme —Thioroaniline Exachlorobusidene Si2-Collorochoxy)methane Chloro-1-methylphenol (p-chloro-m-cresol) Exachloropy-topo-madeine 4.6-Tackloropy-mol 4.5-Tackloropy-mol 4.5-Tackloropy-mol 4.5-Tackloropy-mol 4.5-Tackloropy-mol Chloronaphthalane muthyl phthalane emphylphene 6-Dimitrotoluene emsphthene 4-Dimitrotoluene emsphthene 4-Dimitrotoluene emsphthene 6-Dimitrotoluene emsphthene 6-Dimitrotoluene emsphthene 8-Dimitrotoluene emsphthene 1-Dimitrotoluene emsphthene 1-Dimitrotoluene emsphthene 1-Dimitrotoluene emsphthene 1-Dimitrotoluene emsphthene 1-Dimitrotoluene emsphthene Emphylphthalate Dimitro-2-methylphenol Nitrosodiphenyl-phenylether usterne Bromophenyl-phenylether exachlorobenzene emschlorophenol ensphthene emsphanylethene spht			10U 10U		1,635 130 130 135 130 135 130 135 130 135 13
4. Directly ophenol 2.4 Tricklorobenzene aphthalene Chlorosanitine exachlorobenzene is (2-Chlorochoxy) methane (3-Chloros-1-methylphenol (p-chloro-m-cresol) exachlorocyclopentadene exachlorocyclopentadene 4.6-Tricklorop-mol 4.5-Tricklorop-mol 4.5-Tricklorop-mol Chloronaphthalene methyl phhalase censphthylene 6-Dirutrotoluene exmaphthene 4-Dirutrotoluene exmaphthene 4-Dirutrotoluene extraphibate Chlorophenol Nitrophenol Nitrophenol -Dirutrotoluene extrylphthalase Chlorophenyl-phenylether luorene Bromophenyl-phenylether exachlorophenol -Nitrosdiphenylamine Bromophenyl-phenylether exachlorophenol ensanthrene michtorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorobenzidine michtene exachlorobenzidine			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 131 131 131 132 133 134 135 136 136 137 137 138 138 138 138 138 1,380 1380 1380 1380 1380 1380 1380 1380 1
4. Dimethylphenol 4. Dix hlorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 2, 4. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 4, 5. Ticklorophenol 5, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Ticklorophenol 6, 7, 5. Tickloro			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 NA 100 NA 135 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 103 200 NA 104 NA 105 200 NA 104 NA 105 NA 106 NA NA 107 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
4. Directly ophenol 2.4 Tricklorobenzene aphthalene Chlorosanitine exachlorobenzene is (2-Chlorochoxy) methane (3-Chloros-1-methylphenol (p-chloro-m-cresol) exachlorocyclopentadene exachlorocyclopentadene 4.6-Tricklorop-mol 4.5-Tricklorop-mol 4.5-Tricklorop-mol Chloronaphthalene methyl phhalase censphthylene 6-Dirutrotoluene exmaphthene 4-Dirutrotoluene exmaphthene 4-Dirutrotoluene extraphibate Chlorophenol Nitrophenol Nitrophenol -Dirutrotoluene extrylphthalase Chlorophenyl-phenylether luorene Bromophenyl-phenylether exachlorophenol -Nitrosdiphenylamine Bromophenyl-phenylether exachlorophenol ensanthrene michtorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorophenol ensanthrene michtene ensachlorobenzidine michtene exachlorobenzidine			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		1,635 130 130 135 130 131 130 131 130 131 130 131 130 130

..........

:

Sample ID: SHI-2-95-C-51	· _T		1	т	г
Sample ID: SHI-2-95-C-5.1 Lab ID: SHI2C5 Elutriate Prep Date: 05/09/95	-		Method Detection	Result	Acule Water Quality Criteria
Elidinte Flep Date. 03/09/33	Date Extracted	Date Analyzed	0º7L	ug/L	ueL
DISS. SEMIYOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/12/95	05/24/95			
Phenol [bis(2-chloroethyl)ether			100		100 30,000
2-Chlorophenol			100		360 345
1,3-Dichlorobenzene 1,4-Dichlorobenzene			100		730
1,2-Dichlorobenzene 2-Methylphenol	1		100		820 NA
bis(2-chloroisopropyl)ether			100		4,54\$
4-Methylphenol N-Nitroso-di-n-propylamine			100	 `	NA NA
Hexachloroethane			100		60 4,040
Nitrobenzene Isophorone		 	100	2 JB	10,400
2-Nurophenol			100		8,000 660
2.4-Dimethylphenol 2.4-Dichlorophenol		<u> </u>	100		1,68\$
1,2,4-Trichlorobenzene Nephthalene		ļ	100		130
4-Chloroaniline			100		NA 10
Hexachlorobutadiene bis/2-Chloroethoxy)methane	+	 	100		NA
bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			100		155
2.4,6-Trichlorophenol			100		3
24,5-Trichlorophenol 2-Chloronaphthalene	4	 	500		100 NA
Dimethyl phthalate			100		2,475
Arenaphthylene 2,6-Dinitrotoluene			100		NA 990
Acenaphthene		[10U 30U		85 655
2,4-Dinitrophenol 4-Nitrophenol			SOU		2,335
2,4-Dintrotoluene Diethylphthalate	 	 	100		1,590 4,000
4-Chiorophenyi-phenylether	1		100		NA
Fluorene 4,6-Dinitro-2-methylphenol		 	10U 50U		NA NA
N-Nitrosodiphenylamine			100		295 270
4-Bromophenyl-phenylether Hexachlorobenzene	+	 	100		NA
Pentachlorophenol Phenanthrene	T		30U 10U		e (1.005(pH)-4,830)
Anthracene			100		ЙA
Di-n-buryl phthalae Fluoranthene	+		100		105 200
Pyrene			100		NA
Burylbenzyl phihalze 3.3 Dichlorobenzidine		 	10U 20U		140 NA
Benzo(a)anihracene			ΙŪ		0.5
Chrysene Bis(2-Ethylhexyl)phthalate		 	100	2)	NA NA
Di-n-octyl phthalate Benzo(b)fluoranthene			100		100 NA
Benzo(k)fluorunthene			100		NA.
Benzo(a)pyrene (BaP) Indeno(1, 2, 3-ed)pyrene			100		NA NA
Dibenz(a,h)anthracene			100		NA.
Benzo(g, h, i)perylene K-nitrosodimethylamine	<u> </u>		1000		NA 17,100
Benzidine 1,2-Diphenyl-n-hydrazine			100U		295 15
Benzyi Alcohol			100		NA NA
					
PESTICIDES/PCBS (SW846 8080)	05/15/95	05/19/95			
Holding time: 7 days to extract, 40 days to analyze	031373	031993			NA
beta-BHC delta-BHC			0.05U		NA NA
eamma-BHC (Lindane)			0.05U		1
Heptachlor Aldrin	1		0.05U 0.05U		0.26 1.5
Heptachlor Epoxide			0.05U 0.05U		0.5 0.11
Endosulfan I Dieldrin			0.10U		1.25
(4'-DOE	-		0.10U 0.09U		0.55
Endrin Endosulfan II			0.100		0.11
(,4'-DDD (p,p'-TDE) Endosulfan Sulfase	 		0.10U 0.10U		0.55 0.11
I.4'-DDT			0.100		0.53
Methoxychlor Endrin Keione	<u> </u>		0.05U 0.10U		NA NA
ndrin Aldehyde			0.10U 0.05U		NA 1.2
lpha-Chlordane zanna-Chlordane	<u> </u>		0.05U		1.2
Mirex Foxaphene			0.10U 1.00U		NA 0,37
Aroclor-1016			0.500		2
Voclor-1221 Voclor-1232	 		0.50U 0.50U		2 2
Aroclor-1242 Aroclor-1248			0.50U 0.50U		2 2
Aroclor-1254			0.50U		2
Aroclor-1260	<u> </u>		0.50U		2
		1			
DISSOLVED PESTICIDES/PCBS (SWB46 8080)	1	I	į	1	1
DISSOLVED PESTICIDES/PCBS (SW846 8080) loiding time: 7 days to extract, 40 days to analyze	05/18/95	05/20/95			2: A
Holding time: 7 days to extract, 40 days to analyze Ipha-BHC eta-BHC	05/18/95	05/20/95	0.05Ü		NA NA
Holding time: 7 days to extract, 40 days to analyze pha.BHC cha.BHC cha.BHC	05/18/95	05/20/95	0.05U 0.05U		NA NA
loiding time: 7 days to extract, 40 days to analyze lpha-BHC eta-BHC eta-BHC sema-BHC (Lindane) leyachlor	05/18/95	05/20/95	0.05U 0.05U 0.05U 0.05U		NA NA I 0.26
loiding time: 7 days to extract, 40 days to analyze	05/18/95	05/20/95	0.05U 0.05U 0.05U 0.05U 0.05U		NA NA 1 0.26 1.5
loiding time: 7 days to extract, 40 days to analyze lpha-BHC eta-BHC eta-BHC sema-BHC (Lindane) leyachlor	05/18/95	05/20/95	0.05U 0.05U 0.05U 0.05U		NA NA I 0.26

;

ample ID: SHI-2-95-C-5.1 ab ID: SHI2C5 lutriate Prep Date: 05/09/95			Method Detection Limit	Result	Acute Water Qua
₹- ∂∂E	Date Extracted	Date Analyzed	<u>n.€/L</u> 0.09U	ug/L	0.33
NATE:			0.10U		0.09
ndosulfan II			0.10U		0.11
4'-DDD (p.p'-TDE) ndorulfen Sulfate	 	 -	0.10U 0.10U	ļ	0,55 0.11
4'-DDT	+	 	0.05U		0.55
ethoxychlor			0.10U		NA_
ndrm Ketone	 		U01.0 U20.0		NA.
ndrin Aldehyde pha-Chlordane	 	 	0.05U	 	NA 1.2
emma-Chlordane	·		0.10U		1.2
irex			1.00U		NA.
oxaphene		ļ	0.50U 0.50U		0.37
roclor-1016 roclor-1221	+		0.30U		- 2
roclor-1232	1		0.50U		2
rodor-1242	Ţ <u></u>		0.50U		. 2
roctor-1248 roctor-1254	 		0.50U 0.50U		2 2
roclor-1254	 	 	0.500		- 2
RGANOPHOSPHORUS COMPOUNDS (SW846 8140);			:		
olding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95			
ration .			1.0U		0.065
ndorpynios	 	 	7.00		0.005
ISS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140)	13				
olding time: 7 days to extract, 40 days to analyze	05/18/95	05/25/95			
rathion .	 		1,60		0.065
dorpynios	 	 	1.00		0.083
COURT CAT DECEMBE COMPACE MARINA PRI DO	1				
COHOLS/ALDEHYDES (SWB46 Modified B015):	1	1 000000			İ
olding time: None	 	05/17/95	600		
rmaldehyde Propenol	 	 	5000U		2180 227,750
Propenol	<u> </u>	<u></u>	5000U		443,163
SS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015);	1				
olding time: None	 	05/18/95	/oost/		2180
rmaldehyde Propanol			5000U 5000U		227,750
ropanoi			5000U		443,165
	ļ <u></u>				
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			<u> </u>
amunum	1		43.8U	17,000	750
unony	 	 	3.6U 1.6U	3.6 UN 4.6 BN	88 360
rium	1	 	7.90	169 BN*	20,500
yllium	1		0.20U		NA
ron	ļ <u> </u>		34.90	113	8050
Inium romum III	 	 	0.30U 1U	44	1.79 984.32
balt	 	 	2.10	10.4 BE	95
per	1		0.90	33.6 N°	9.22
d			2.10	14.9 *	33.78
rcury kel	5/26/95, 5/31/95	06/05/95	0.20U 3.8U	22.1 BEN	2.4 789.01
enrum	 		2.10	2.1 UN	20
ver			0.60U	0.81 BN	0.92
albam			3.4Ü	3.4 UN	63
nadium			1.2U	42.1 BEN	515 65.04
<u> </u>	 	 	2,10	IUZ EN	63.04
ORGANICS - DISS, METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95			
kling time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
minum			43.8U	213_*	750
zmony			3.6U		88
enic	 		1.6U 7.9U	1.8 B 230	360 20,500
Alima	 		0,20U		20,300 NA
Off.			34.9Ü	93.4 B	8050
mium .			0.30U		1.79
omuum III	 		1U 2.1U		984.32
petr	 		0.9U	32.1	95 9.22
d			2.1U		33.78
cury	05/24/95	05/31/95	0.200		2.4
reium	 	 +	3.8U 2.1U		789.01 20
र्च			0,600	0.60 UN	0.92
Patern .			3.40		65
adrum	——		1.20	2.9 B	315 65 04
	 		2.10	53.8	65.04
ORGANICS - OTHER (Results in mg/L);			·····		
CANADA CANADA CANADA CANADA MANAGA MA	<u> </u>	05/12/95	10	18	86,000
oride		05/12/95	0.010		NA
omium VI		0.5.000.00.5	0.010		22
omium VI ride		05/22/95	0.111		
omium VI ride Il Residual Chlorine		05/12/95	0.1U	424	19 NA
omium VI rude al Residual Chlorine			0.1U 1U	424	NA NA
omium VI ruids al Residual Chlorine al Suspended Solids		05/12/95 05/12/95			NA
oride ornium VI rude al Residual Chlorine al Surpended Solids S. INORGANICS - OTHER (Results in me/L): oride		05/12/95 05/12/95 05/22/95	10	19	NA 86,000
omium VI riute Il Residual Chlorine Il Suspended Solids S. INORGANICS - OTIIER (Results in me/L);		05/12/95 05/12/95			NA

Definitions:

NA - Not Available

ugL - micrograms per Liter, parts per billion

mgL - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reponted value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

E - Estimated value because of the presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

March Marc	Sample ID: SMH-1-95-C-0.0 Lab ID: SMH1C0 Elutriste Prep Date: 05/09/95	Daie Extracted	Date Analyzed	Method Detection Limit 15%	Result ve/L	Acute Water Quality Criteria pg/L
Table 19	YOLATILE ORGANICS (SW846 8240):		1			-
Acceptance 1800			05/16/95	100	- 51	446,000
	Acrolem					455
Second S				IOU		640
December December	Bromodichloromethana					
Spanner (ICS)	Bromotorm Bromomethane			100		NA
1. 1. 1. 1. 1. 1. 1. 1.	2-Butanone (NEK)					
Distriction	2-Chloroethylvinylether			100		17,500
Silverenders	Chlorobenzene					
17. Deliconcenters	Chloroform			10U		1945
T. Descriptochares						
	1 1-Dichloroethane			10U		NA
Chemical Automathus Col.	1,2-Dichloroethane					
Col. 1. 1. 1. 1. 1. 1. 1.	Dibromochloromethane					
Section Sect		ļ				
Stylements	cis-1,3-Dichleropropene			100		305
	trans-1,3-Dichloropropene					
National Colored 180 2.18 NA 180	2-Hexanone			IOU		26,000
100 693 100	4-Methyl-2-Pentanone (MIBK)		ļ	100	2 JB	NA
Turnshiprochylent	Styrene			100		695
18.0 1645	Tetrachloroethylene					
10 373	1.1.22-Tetrachioroethane			10U		1040
10	Toturne 1. 1. 1. Trichloroethane					
Vary Chiefs	1,1,2-Trichloroethane					
Sylvens (Total) 100 1055 10572095 100	Trichloroethene (TCE)					NA
Hielding time; 7 days to extract, 40 days to analyze	Xylenes (Total)			100		1055
Hielding time; 7 days to extract, 40 days to analyze	CEMINOLATII & ODCANICE CANA \$7700					··-
Pinnel 100		05/15/95	05/23/95			
Childrophenol 10U 360 131 132 132 133 134 135 134 135 134 135 134 135 134 135 134 135 134 135	Phenol					
13_Deblerbename				100		
17.Dichlorobranzer	1,3-Dichlorobenzene					
Descriptophene	1,4-Dichlorobenzene			100		820
Machylphered 100 NA NA NA NA NA NA NA	2-Methylphenol					
N. Nicoro-di-n-proprylemine 100 NA	4-Methylphenol			100		NA
Nicroberations 100	N-Nitroso-di-n-propylamine					
Inophorone				100		4,040
24-Discriptylphenol 100 669 24-Discriptylphenol 100 1.685 1.24-Tichlorobenzene 100 1.50 1.30	Isophorone					
100	2-Nitrophenol 2-4-Dimethylphenol			100		660
Nachuhainer	2.4-Dichlorophenol					
Hazschlorobustdiene 10U 10 10 10 10 10 10 1	1,2,4-Trichlorobenzene Naphihalene			10U		135
100	4-Chloroaniline					
ACDIOCOS-methylphenol (p-chloro-m-cresol) 100	bis/2-Chloroethoxy)methane			10U		NA
10	4-Chloro-3-methylphenol (p-chloro-m-cresol)					
2.Chornephbaline	2.4,6-Trichlorophenol			100		3
Dimetry philates 10U 2,475 10U NA 10U NA 10U 1	24.5-Trichlorophenol					
Acenaphhylene	Dimethyl phthalate			100		2,475
Acensphhene	Acenaphthylene					
4-Nitrophenol 50U 2,335 2,4-Druitrofolurne 10U 1,550 10U 1,550 10D 4,000 4-Chorophenyl-phenylether 10U NA 4-Chorophenyl-phenylether 10U NA 4-Chorophenyl-phenylether 10U NA 4-Chorophenyl-phenylether 10U NA 4-Chorophenyl-phenylether 10U NA 4-Chorophenyl-phenylether 10U 275 4-Eromophenyl-phenylether 10U 275 4-Eromophenyl-phenylether 10U 770 4-Eromophenyl-phenylether 10U NA 4-Chorophenyl-phenylether 10U 770 4-Eromophenyl-phenylether 10U NA 4-Chorophenyl-phenylether 10U 100 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenyl-phenylether 10U 100 4-Chorophenylether 10U 100 4-Chor	Acenaphihene			10U		85
2.4-Druitrotolurne						
Dethylphthalate	2,4-Dinitrotoluene			10U		1,590
Fluorens	Diethylohthalate					4,000
As-Distro-2-methylphenol S0U NA	Fluorene			10U		NA
ABromophenyl-phenylether	4.6-Dinitro-2-methylphenol					
Hexaclorobenzene 100	4-Bromophenyl-phenylether			100		270
Phensulvere 10U 5 NA Anthracene 10U NA NA Anthracene 10U 100 NA NA NA NA NA NA NA	Hexachlorobenzene			10U		NA P(100VnH) + P20V
Anthreces 10U NA				100		5
Fluorenthene 10U 200 NA	Anthracene					NA 103
Pyrens 100 NA 140 14	Fluoranthene			100		200
D.F.Dichloroberazidine 20U NA	Pyrene					
Bernzo(a) Bern	3.3'-Dichlorobenzidine			20U		NA NA
Bist 2-Ehrytheryt phthalate 10U	Benzo(a)anthracene					
Dispersion Dis	Diet 2. Ethulhered online ate			100		NA
Berrack Divermithene Divide	Di-n-octyl phuhalme			10U		100
Benaz(a)pyrene (BaP) 100	Benzo(k)(hijoranthene			100		NA
PAC Page Page Page Pack P	Benzo(a)pyrene (BaP)			10U		NA
PAC Page Page Page Pack P	ndeno(1,2,3-cd)pyrene Dibenz(s.h)anthracene			100		NA
	Senzo(e, h, i)perviene			10U		NA
1.2-Diphenyl-n-hydragne						
MERZYLAICONOS I I IUU I 1 NA	2-Diphenyl-n-hydrazine			100U		15
	senzyl Alcohol			100		

Sample ID: SMH-1-95-C-0.0 Lab ID: SMH1C0 Elutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quali Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SW846 B270):		05/24/95			
folding time: 7 days to extract, 40 days to analyze	05/13/95	052493	10U		100
ns(2-chloroethyl)ether -Chlorophenol			100		30,000 560
3-Dichlorobenzene			10U 10U		343 730
,4-Dichlorobenzene ,2-Dichlorobenzene	_		10U		820
Methylphenol			100		NA 4,545
ris(2-chloroisopropyl)ether -Methylphenol			100		NA.
-Nitroso-di-n-propylamine lexachloroethane			100		NA 60
htrobenzene			100	2 J	4,040
sophorone -Nitrophenol			10U	<u> </u>	10,400 8,000
4-Dimethylphenoi			10U		660 1,635
4-Dichlorophenol 24-Trichlorobenzene	 	 	10U 10U		130
(aphthalene			10U 10U		135 NA
-Chlorosciline lexachlorobutadiene			100		10
is(2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol)			30U		NA
-Chioro-3-methylphenol (p-chioro-m-cresol) exachlorocyclopeniadiene		<u> </u>	10U		5
4.6-Trichlorophenol			10U 50U		100
4,5-Trichlorophenol -Chloronaphihalene		<u> </u>	10U		NA _
umethyl phihalate			100		2,475 NA
cenzphihylene 6-Dinitrotoluene			IOU		990
censphihene			10U 50U		85 655
4-Dinitrophenol Nitrophenol			SOU		2,335
4-Dinitrotoluene ethylphihalate			100		1,590 4,000
-Chlorophenyi-phenyiether			100		NA
luorene 6-Dinitro-2-methylphenol		<u> </u>	10U 50U	···········	NA NA
-Nitrosodiphenylamine			100		295 270
Bromophenyl-phenylether			10U		NA
entachlorophenol			SOU		e (1.005(pH)-4,830)
nenanthrene nthracene			100		NA
i-n-buryi phihalate			UOI		105 200
luoranihenė yrenė		 	100		NA
utylbenzyl phthalate			10U 20U		140 NA
3-Dichlorobenzidine enzo(s)anthracene			טו		0.5
hrysene			10U		NA NA
is(2-Eihylhexyl)phihalate i-n-octyl phihalate	-		10U		100
enzo(b)fluoranthene			10U 10U		NA NA
enzo(k)liuoranihene enzo(a)pyrene (BaP.)			100		NA.
ideno(1,2,3-cd)pyrene ibenz(a,h)anihracene			10U 10U		NA NA
enzo(g.h.i)perylene			10U		NA
nitrosodimethylamine enzidine			100U -		17,100
2-Diphenyl-n-hydrazine			100U		15
nzyl Alcohol			10U		NA
PSTICIDES/PCBS (SW846 8080) olding lime: 7 days to extract, 40 days to analyze	05/15/95	05/19/95			
pha-BHC C			0.050		NA NA
sa-BHC lia-BHC			0.05U 0.05U		NA NA
mma-BHC (Lindane)			0.05U		1
ptschlor drin			0.05U 0.05U		0.26
ptachlor Epoxide			0.05U 0.05U		0.5 0.11
dosulfan i eldrin			0.050		1.25
I-DDE			0.10U 0.09U		0.55
drin dosulfan 11			0.10U		0.11
-DDD (p.p'-TDE)			0.10U 0.10U		0.55
dosulian Sulfate -DDT			0.10U		0.55
thoxychior			0.50U ,010U		NA NA
des Verens					NA ·
drin Ketone			0.10U		
inn Ketone Irin Aldehyde na-Chlordane			0.05U		1.2
drin Ketone drin Aldehyde ha-Chlordane nna-Chlordane rex			0.05U 0.05U 0.10U		1.2 NA
drin Ketone drin Aldehyde ha-Chlordane nma-Chlordane nma-Chlordane nza-Chlordane			0.05U 0.05U		1.2
drn Ketone drn Aldehyde ha-Chlordane nna-Chlordane rex xaphene color-1016 color-1221			0.05U 0.05U 0.10U 1.00U 0.50U 0.50U		1.2 NA 0.37 2
drin Ketone drin Aldehyde ha-Chlordane nnna-Chlordane eze zaphene color-1016 color-1221 color-1232			0.05U 0.05U 0.10U 1.00U 0.50U 0.50U		1.2 NA 0.37 2
drin Ketone drin Aldehyde ha-Chlordane nnus-Chlordane exaphene scior-1016 scior-1221 scior-1232 scior-1242 scior-1248			0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U		1.2 NA 0.37 2 2 2 2 2 2 2
drin Ketone drin Aldehyde ha-Chlordane nrin-Chlordane rex xaphene color-1016 color-1221 color-1232 color-1242 color-1248			0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		1.2 NA 0.37 2 2 2 2 2
drin Ketone drin Aldehyde sha-Chlordane nrins-Chlordane rex xaphene color-1016 color-1221 color-1232 color-1242 color-1248 color-1248 color-1254 color-1254			0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U		1.2 NA 0.37 2 2 2 2 2 2 2 2 2
ndrin Ktone drin Aldehyde hla-Chlordane mma-Chlordane mras-Chlordane rex pasphene octor-1016 octor-1221 octor-1232 octor-1242 octor-1248 octor-1248 octor-1248 octor-1254 octor-1260 SSOLVED PESTICIDES/PCBS (SW846 8080)	05/18/95	05/20/95	0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2
drin Ktone drin Aldehyde sha-Chlordane rrax xaphene color-1016 color-121 color-1232 color-1242 color-1248 color-1248 color-1248 color-1260 SSOLVED PESTICIDES/PCBS (SW846 8080) alding fime: 7 days to extract, 40 days to analyze ha-BHC	05/18/95	05/20/95	0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		1.2 NA 0.37 2 2 2 2 2 2 2 2
drin Ktone drin Aldehyde olar-Chlordane mrus-Chlord	05/18/95	05/2075	0.05U 0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		1.2 NA 0.37 2 2 2 2 2 2 2 2 2 3 NA NA
drin Ketone drin Aldehyde his-Chlordane narus-Chlordane zaphene color-1016 color-1271 color-1272 color-1242 color-1248 color-1254 color-1256 color-1254 color-1254 color-1254 color-1254 color-1254 color-1256 color-1254 co	05/18/95	05/20/95	0.05U 0.05U 0.05U 0.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 3 4 NA NA NA
drin Kictone drin Aldehvide ha-Chlordane nnia-Chlordane rex xaphene octor-1016 octor-1221 octor-1232 octor-1242 octor-1248 octor-1248 octor-1254 octor-1254 octor-1260 SSOLVED PESTICIDES/PCRS (SW846 8080) lding time: 7 days to extract, 40 days to analyze ha-BHC a-BHC a-BHC	05/18/95	05/20/95	0.05U 0.05U 0.05U 0.10U 1.00U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		1.2 NA 0.37 2 2 2 2 2 2 2 2 2 2 2 3 1 1 1 1 1 1 1 1

ample ID: SMH-1-95-C-0.0 ab ID: SMH1C0 lutriate Prep Date: 05/09/95			Method Detection	Result	Acute Water Qu Criteria
1-DDE	Date Extracted	Date Analyzed	9.7L 0.10J	ng/L	0.55
id-in	 		0.69.0		0.09
storulfan II			0.10U		0.11
(-DDD (p,p'-TDE)	<u> </u>		0.100		0.55
closulian Sulfate			0.10U		0.55
r-DDT shoxychlor	 		0.500		NA NA
≥noxytruor ∠in Ketone	 		.010U		NA
in Aldehyde	1		0.100		NA NA
cha-Chlordane			0.050		1.2
ma-Chlordane	 		0.05U 0.10U		1.2 NA
rex	 		1.000		0.37
octor-1016	 		0.500		2
ocior-1221	 		0.500		2
ocior-1232			0.50U		2
octor-1242			0.500		2
oclor-1248		 	0.50U 0.50U		2
oclor-1254 oclor-1260		 	0.500		2
00101-1280	 				
A CHARLES OF THE COLUMN COUNTY OF THE COLUMN		1			
RGANOPHOSPHORUS COMPOUNDS (SWB46 B140):			ļ i		
siding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95	1.0U		0.065
ahion	 		1.00		0.083
lorgynios	 				3.003
THE ADDINGS TO THE STATE OF THE	1	1			
ISS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140) biding time: 7 days to extract, 40 days to analyze	05/18/95	05/26/95	1		
rathion	1 451075	4,,,,,,	1.00		0.065
corpyrifos			1.0U		0.083
COHOLS/ALDEHYDES (SW846 Modified 8015):	1	l			
	! _	05/18/95	j		
olding time: None			50001		2180
rmaldehyde	 	_	5000U 5000U		227,750
Propanol	 	 	5000		443,165
ropanol	 	 	 		
es la correct dua participat entre de Manda est foi	†				
SS, ALCOHOLS/ALDEHYDES (SW846 Modified 8015): Iding time: None	l _	05/18/95	J i		
rmaldehyde		42.033	5000U		2180
ropanol			5000U		227,750
ropanol			5000U		443,163
		ļ			
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95			
olding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	}		
ininum .			43.8U	15 M3: 14 6 6 8	750
mony			3.60	3.6 UN	88
seruc		ļ	1.6U 7.9U	1.6 UN 44.3 BN°	360 20,500
nun	 	ļ	7.9U 0.20U	47 RM.	20,500 NA
yllium	 		34.90	54,5 B	8050
ron dmium	 		0.300		1.79
romum III	 		IU IU		984.32
balt			210	2.1 UE	95
oper	<u> </u>		0.9U	15.8 BN	9.22
d	10000 10100	06/05/95	2.1U 0.20U	2.4 B* 0.81	33.78
rcury	5/26/95, 5/31/95	06/03/93	3.80	3.8 UEN	789.01
kel			210	2.1 UN	20
enium ver	1		0.60U	0.60 UN	0.92
dium			3.4U	3.4 UN	65
radium			1.20	2.1 BEN	515
¢			2.10	13.5 BEN*	65.04
	ļ				
ORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95			
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	L		
munum				158 B*	750
ii bi bi bi bi bi bi bi bi bi bi bi bi b			43.8U		
mony).ผ		88
mony eric).ຎ 1.ຎ		360
imony eruc).6U 1.6U 7.9U	35.3 B	360 _20,500
inony enic ium Vilium).ຎ 1.ຎ		360
inony enic ium yllium on			3.6U 1.6U 7.9U 0.20U		360 20,500 NA 8050 1.79
inony enic sun yilium on muum			3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U		360 20,500 NA 8050 1.79 984,32
mony ente run vibium on um onum onum onum onum			3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U	39.3 B	360 20,500 NA 8050 1.79 984.32 95
mony enic num Vilium on mum mum mum lili salt			3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U		360 20,500 NA 8050 1.79 984,32 95 9.22
mony ent nun vibium on muum on muum on muum on muum on di		PALICAGO	3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 1U 2.1U 0.9U 2.1U	39.3 B	360 20,500 NA 8050 1.79 984.32 95 9.22 33.78
mony enic enic enic enic enic enic enic enic	05/24/95	05/31/95	3.6U 1.6U 7.9U 0.20U M.9U 0.00U IU 2.1U 0.9U 2.1U 0.20U	39.3 B	360 20,500 NA 8050 1.79 984,32 95 9.22
mony enic run yilium on muum muum ll pel t cet d cury tcl		05/31/93	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 11U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U	35.3 B	360 20,500 NA 8050 1.79 984,32 95 9.22 33,78 2.4 789,01
mony ent ent ent ent ent ent ent ent ent ent		05/31/93	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1.U 2.1U 0.9U 2.1U 0.20U 3.8U 2.U 0.60U	39.3 B	360 20,590 NA 8050 1.79 984,32 95 9.22 33,78 2.4 789.01 20
mony end end end end end end end end end end		05/31/95	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	35.3 B	360 20,500 NA 8030 1.79 984,32 95 9,22 33,78 2,4 789,01 20 0,92 63
mony ent ent ent ent ent ent ent ent ent ent		05/31/05	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U	35.3 B	360 20,500 NA 8050 1.79 984.32 95 9,22 33.78 2.4 789.01 20 0.92 65
mony ent ent ent ent ent ent ent ent ent ent		0531/93	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U	35.3 B	360 20,500 NA 8030 1.79 984,32 95 9,22 33,78 2,4 789,01 20 0,92 63
mony enic enic enic enic enic enic eni eni eni eni eni eni eni eni eni eni		05/31/95	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U	35.3 B	360 20,590 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65
mony entic entic trum yilium on muum muum onium iii oli oli oli cuty kt d entium er liium er liium er liium colivation		05/31/05	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1.U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	39.3 B	360 20,590 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515
mony enic min yihium on mium on mium on mium oper d cury kel criury kel crium er illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium cri illium		05/31/95	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	35.3 B	360 20,590 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65
mony entic e		05/31/95	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1.U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	39.3 B	360 20,500 NA 8030 1.79 984,32 9.5 9.22 33.78 24 789,01 20 0.92 63 515 65.04
mony entic e		05/31/05	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1.U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U	39.3 B	360 20,590 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04
Emony Emony		05/31/95	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 1.2U 1.2U 1.2U 0.60U 0.60U 0.60U 0.60U 0.60U 0.60U 0.60U 0.60U 0.60U	35.3 B	360 20,500 NA 8030 1.79 984,32 9.5 9.22 33.78 24 789,01 20 0.92 63 515 65.04
imony tenic imony tenic imony vilium romium romium romium romium romium romium romium romium romium romium romium romium romium d roury kel enum rer illium sadium c C C C C C C C C C C C C		05/31/95	3.6U 1.6U 7.9U 0.20U 34.9U 0.30U 11U 2.1U 0.9U 2.1U 0.5U 2.1U 0.5U 2.1U 0.50U 3.8U 2.1U 0.66U 3.4U 1.2U 2.1U 0.01U 0.01U	35.3 B 0.60 UN 19 0.2	360 20,590 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04
mony ent ent ent ent ent ent ent ent ent ent		05/31/95	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1.U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.20U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.01U	39.3 B 0.60 UN 19 0.2 4	360 20,590 NA 8050 1.79 984.32 95 9.22 33.78 2.4 789.01 20 0.92 65 515 65.04
Emory Emory Emory Emory Emory Itam Vilium On Impure Commun III Self Sel		05/31/93	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1U 2.1U 0.9U 2.1U 0.9U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.01U 0.01U	35.3 B 0.60 UN 19 0.2	360 20,500 NA 8030 1.79 984,32 9.5 9.22 33.78 2.4 789,01 20 0.92 63 515 65.04
mony emic ram yilium on finium finium on finium finium on finium o		05/31/95	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1.U 2.1U 0.9U 2.1U 0.20U 3.8U 2.1U 0.50U 3.8U 2.1U 0.66U 3.4U 1.2U 2.1U 0.01U 0.01U 0.01U 0.01U 0.01U	35.3 B 0.60 UN 19 0.2 4	360 20,590 NA 8050 1.79 984,32 95 9.22 33,78 2.4 789,01 20 0,92 65 515 65,04
Emory Emory Emory Emory Emory Itam Vilium On Impure Commun III Self Sel		05/31/95	3.6U 1.6U 7.9U 0.20U 3.9U 0.30U 1U 2.1U 0.9U 2.1U 0.9U 3.8U 2.1U 0.60U 3.4U 1.2U 2.1U 0.01U 0.01U 0.01U 0.01U	39.3 B 0.60 UN 19 0.2 4	360 20,500 NA 8030 1.79 984,32 9.5 9.22 33.78 2.4 789,01 20 0.92 63 515 65.04

Definitions:

NA - Not Available
ugL - micrograms per Liter, parts per billion
mgL - miligrams per Liter, parts per million
U - Undetected
J - Estimated value
B - Detected in laboratory blank (organics), Reported value less than Contract Required DL
but greater than or equal to Instrument DL (norganics)
- Duplicites enalysis not within control limits
DL - Detection limit
E - Estimated value because of the presence of interference
N - Spiked assmple recovery not within control limits
Blank spaces represent non-detected compounds.

ample (D: SMH-1-95-C-1.4 ab (D: SMH1C1 lutriste Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ng/L	Result ug/L	Acute Water Qua Criteria ug/L
OLATILE ORGANICS (SWB46 8240):					
olding time: 14 days		05/16/95			
cetone			100	26	446,000
croles			1000		455 645
crylonurile		 	1000	ļ	640
enzene romodichloromethane		 	100		NA NA
omolorm			100		1825
romomethane			100		NA
Buranone (MEK)		<u> </u>	10U		161,000 2780
mbon Terrachloride Chloroe, hvivinylether		ļ ————	100		17,500
hlorobenzene		 	100	· · · · · · · · · · · · · · · · · · ·	1180
hloroethane			10U		NA.
Noroform			100		1945
iloromethane			100		NA 10,825
2-Dichloropropane 1-Dichlorophane			100		10,823 NA
2-Dichloroethane			100		15,440
1-Dichloroethene			10U		7460
bromochloromethane			100		6750
2-trace Dichloroethylene			100	ļ	1000
-1,2-Dichloroethene			100	 	305
-1,3-Dichloropropens		{	100	 	2900
hylbenzene		l	100		21,400
Hexanone	_1		10U		26,000
Methyl-2-Pentanone (MIBK)		L	100		11,840
ethylene Chloride			100	4 JB	NA 605
yrene		 	100	ļ	695
irachloroethylene I, 1, 2-Terrachloroethane		 	100		NA.
1,1,2-Terrachioroethane			100		1040
uene			100		1650
.1-Trichloroethana			100		3023
1,2-Trichloroethane			190	<u> </u>	3390
nchloroethene (TCE)		<u> </u>	100	ļ	2250 NA
nyl Chloride			100		1033
rienes (Total)			700		
MIVOLATILE ORGANICS (SW846 8270); olding time: 7 days to extract, 40 days to analyze	05/15/95	05/23/95			
enol			100		100
(2-chloroethyl)ether		ļ	100		30,000 560
Thlorophenol			100		343
-Dichlorobenzene		 	100		730
-Dichlorobenzene			10U		820
Arthylphenol			100		NA
(2-chloroisopropyl)ether			100		4,545
tethylphenol			100		NA NA
Nitroso-di-n-propylamine rachlorosihane		<u> </u>	100		60
robenzene			100		4,040
			10U		10,400
שונט זטווטן		I			
phorone fitrophenol			100		8,000
htrophenol -Dimetrytphenol			10U		8,000 660
fürophenol -Dimetyriphenol -Dichlorophenol			10U 10U 10U		8,000 660 1,685
trophenol Dumethytphenol Dichlorophenol 4-Trichlorobenzene			10U 10U 10U 10U		8,000 660 1,685 130
ikrophenol Dimithytphenol Dichlorophenol 4-Thiolorobenzzne phihalene			10U 10U 10U		8,000 660 1,685
iuophenol Dameshriphenol Dichlorophenol 4-TheNorobenzene phitalene Zhorosciume			10U 10U 10U 10U 10U 10U		8,000 660 1,685 130 135 NA
iurophenol Dimenylphenol Dimenylphenol 4-Tinchlorophenol 4-Tinchlorophenizene phinalene Rhorosniline machlorophiadiene (2-Chilorophylmethane			10U 10U 10U 10U 10U 10U 10U		8,000 660 1,685 130 135 NA 10
iurophenol Dunthytphenol Dichlorophenol 4-Trachlorobenzene hinatene Riorosniume ackhorobrusdiene (2-Chlorochoxy)met-zee (3-Chlorochoxy)met-zee (3-Chlorochoxy)met-zee			10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,685 130 135 NA 10 NA
iliuphenol Dimethylphenol Dichlorophenol 4 Thellorobenzene phinalene Rhoroetime acchiorobutadiene (2-Chloroethoxy)methane (3-Chloroethoxy)methane Rhoroethoxy-methane Rhoroethoxy-methane			10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,685 130 135 NA 10 NA 10 NA 155
itrophenol - Damethylphenol - Damethylphenol - Dichlorophenol - A Tachlorobenzene - Dichlorophenol - A Tachlorobenzene - Dichlorophidene - Richlorobenzene - Richlorobenzene - Richlorobenzene - Richlorobenzene - Richlorobenzene - Richlorobenzene - Richlorobenzene - Richlorobenol - Richlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,685 130 135 NA 10 NA 155 5
ilirophenol Dunethytphenol Dichlorophenol 4-Trichlorobenzzne phinalene Riborosziline achlorobutadiene (2-Culoroschoxy)met-zne horos-S-methylphenol (p-chloro-m-cresol) achlorocytopeniadizne 6-Trichlorophenol 5-Trichlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,685 130 135 NA 10 NA 10 NA 155
iurophenol Dimethylphenol Dichlorophenol 4-Tachlorobenzene bihalene Norosciline machlorobusidiene 2-Chloroethoxy/met-see Noros-methylphenol (p-chloro-m-cresol) machlorocytopeniadi.ene 6-Tachlorophenol 5-Tachlorophenol 1-Inchlorophenol 1-Inchlorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,685 130 135 NA 10 NA 155 5 5 100 NA 2,475
iurophenol Dimens/sphenol Dichlorophenol 4-Tichlorobenzene blinalerie Riborosiline schlorobutadiene 2-Chlorosiline schlorobutadiene 2-Chlorosiline schlorobutadiene 3-Chlorosiline schlorosylopeniadiene 6-Tichlorophenol 5-Tichlorophenol Nitronasylopenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 6660 1,685 130 135 NA 10 NA 155 5 5 100 NA 2,475 NA
iurophenol Dumthytjhenol Dichlorophenol 4-Trachlorobentzene hikuteine Niorosmilme achlorobstadiene 2-Chloroethoxy/met/see Noro-S-methytjhenol(p-chloro-m-cresol) achloroby-tophenol 5-Trachlorophenol 5-Trachlorophenol hikuteine Noro-S-methytjhenol Dumtrachlihalene helovity pithalate naphtytjene Dumtrachlihalene			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 130 135 NA 10 NA 135 5 5 100 NA 2,475 NA
iurophenol Dumein/sphenol Dichlorophenol 4 Trichlorobenizzne shinalere Riborosziline achlorobutadiene 2-Chloroethoxy/mel-are Norosziline achlorobutadiene 3-Chloroethoxy/mel-are Norosziline achlorobutadiene 4-Trichlorophenol 5-Trichlorophenol S-Trichlorophenol Norosziline Norosziline Norosziline Birdinalere mobiline Dictricoluene Dictricoluene Dictricoluene mobilinee			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 6660 1,685 130 133 NA 10 NA 155 5 5 100 NA 2,475 NA 990 83
iurophenol Durnthytiphenol Dichlorophenol 4-Trachlorobenzene bluhalene Riborostilane achlorobenstadiene 2-Chlorostilane 2-Chlorostilane 3-Chlorostilane 3-Trachlorophenol 5-Trachlorophenol 5-Trachlorophenol 6-Trachlorophenol 6-Trachlorophenol 7-Trachlorophenol 7-Trachlorophenol 8-Trachlorophenol			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 130 135 NA 10 NA 135 5 5 100 NA 2,475 NA 2,475 NA 2,575 NA 2,575 NA 3,575 NA
iurophenol Dumin'stylennol Dichlorophenol 4 Trichlorobenizme shinaleme Thorosilime achlorobutadiene 2-Ciliorosihoxy'met'.ane hloros-methylphenol (p-chloro-m-cresol) achlorocytolopeniadiene 6-Trichlorophenol 5-Trichlorophenol 5-Trichlorophenol hloros-phinaleme endy phinaleme p			19U 10U 10U 10U 10U 10U 10U 10U 10U 10U 10		8,000 660 1,685 130 135 NA 10 NA 135 5 5 100 NA 2,475 NA 950 85 655 2,335
iurophenol Dunchyfphenol Dichlorophenol 4-Thehlorobenzzne hinatere Riborosziline achlorobtadene 2-Chlorosthoxy/meti-are Noros-i-methyfphenol (p-chloro-m-cresol) achlorosthoxyphenol 5-Thehlorophenol 5-Thehlorophenol 5-Thehlorophenol Nioroszinkadene 6-Thehlorophenol Nioroszinkadene binateria (p-chloro-m-cresol) mothyfication (p-chloro-m-cresol) nioroszinkadene binateria (p-chloro-m-cresol) nioroszinkadene binateria (p-chloro-m-cresol) nioroszinkadene binateria (p-chloro-m-cresol) mothyfication binateria			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 130 135 NA 10 NA 135 5 5 100 NA 2,475 NA 950 85 655 2,335
ilizophenol Dunchytphenol Dichlorophenol 4-Tinchlorobenzzne phinalene Ridoroszilune achlorobstadiene (2-Chloroethoxy)methaze Ridoroszilune achlorobytadiene (2-Chloroethoxy)methaze Ridoroszilune achloroszilune achloroszilune achloroszilune achloroszilune A-Tinchlorophenol A-Tinchlorophenol Ridoroszilune Ridorophenol Ridoroszilune Ridorophenol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 6660 1,685 130 133 NA 10 NA 155 5 5 100 NA 2,475 NA 990 83 655 2,335 1,590 4,000 NA
iurophenol Duntshythenol Dichlorophenol 4-Trachlorobenzene shiralene Altrachlorobenzene shiralene Cachlorobtadene (2-Chloroethoxy)met. zere milioro-S-methyphenol (p-chloro-m-cresol) achlorobyolopentadiene (3-Trachlorophenol 6-Trachlorophenol 1-Tr			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 130 135 NA 10 NA 10 NA 155 5 5 100 NA 2,475 NA 85 655 2,335 1,590 4,000 NA
iurophenol Dumeinytyhenol Dichlorophenol 4 Trichlorobenizzne shinalene Zhorozniune zachlorobenizzne shinalene Zhorozniune zachlorobenizzne shinalene Z-Chlorozhoxy/mel-are Moroz-S-methylphenol (p-chloro-m-cresol) zachlorozholopeniadi.ene 6-Trichlorophenol 5-Trichlorophenol 5-Trichlorophenol Horozeshinalene entityl britalene maphinylene Dingrouhenol			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 6660 1,685 130 135 NA 10 NA 100 NA 155 5 100 NA 2475 NA NA 990 83 655 2335 1,590 4,000 NA NA NA
iurophenol Dumithythenol Dichlorophenol 4-Trachlorobenizene hiknatene Ridorostadiene 2-Chlorostadiene 3-Chlorostadiene 3-Chlorostadiene 3-Chlorostadiene 3-Chlorostadiene 3-Trachlorophenol S-Trachlorophenol 5-Trachlorophenol 5-Trachlorophenol 5-Trachlorophenol Dintrochlinatene stohyt pithalane stohyt pithalane naphthytene Dintrochlenel D			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 1,685 130 130 135 NA 10 NA 155 5 100 NA 2,475 NA 990 83 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA 295
iurophenol Dumentylphenol Dichlorophenol 4 Trichlorobenzene hichatene Thorosailune achlorobenzene hichatene Thorosailune achlorobenzene hichatene 2-Chlorosailune 2-Chlorosailune 3-Chlorophenol horosailune 6-Trichlorophenol 5-Trichlorophenol 5-Trichlorophenol Horosabihalene endyl phihalase machinylene Divizrosalunene			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 1,685 130 130 135 NA 10 NA 155 5 100 NA 2,475 NA 990 83 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
iurophenol Duntihytiphenol Dichlorophenol 4-Trachlorobenizene hiknatene Ridorosenizene hiknatene Ridorosenizene hiknatene Ridorosenizene Rido			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 1,685 130 130 135 NA 10 NA 155 5 100 NA 2,475 NA 990 83 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
iurophenol Durnthytiphenol Dichlorophenol 4-Trachlorobenzene bhinalene Riborocaliane achlorobratidiene 2-Chlorocaliane 3-Chlorochoxy/mei-zere Riborocaliane 3-Trachlorophenol 5-Trachlorophenol 5-Trachlorophenol 5-Trachlorophenol 6-Trachlorophenol 7-Trachlorophenol 7-Trachlorophenol 8-Trachlorophenol 8-Trachlorophenol 9-Trachlorophenol 10-Trachlorophenol			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,635 1,635 130 133 NA 10 NA 10 NA 135 5 5 100 NA 2,475 NA 2,475 NA 996 655 2,335 2,335 1,5990 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
iurophenol Dichlorophenol 4-Thichlorobenizme hibria i i i i i i i i i i i i i i i i i i			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,635 130 135 135 130 135 140 10 10 10 10 10 10 10 10 10 10 10 10 10
iurophenol Durnthytiphenol Dichlorophenol 4-Trichlorobenizene bihinatene Richlorobutaidene 2-Chlorochoxy)met-are Richlorobutaidene 2-Chlorochoxy)met-are Richlorobutaidene 3-Trichlorophenol 5-Trichlorophenol 5-Trichlorophenol 5-Trichlorophenol 5-Trichlorophenol 5-Trichlorophenol 5-Trichlorophenol 5-Trichlorophenol Durtruchune mapithytene Durtruchune mapithytene Durtruchune mapithytene Durtruchune mapithytene Durtruchune mapithytene Durtruchune mapithytene Durtruchune mapithytene Durtruchune mapithyteneol mirophen			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 130 135 NA 10 NA 10 NA 155 5 100 NA 2,475 NA 990 83 655 655 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
iurophenol Dimin'sylphenol Dichlorophenol 4-Trichlorobenizme hibrorozilme achlorobstadiene 2-Cilioroethoxy/mei-zwe hibrorozilme achlorobstadiene 2-Cilioroethoxy/mei-zwe hibrorozilme achlorophenol 6-Trichlorophe			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,635 1,535 130 135 NA 10 NA 10 NA 155 5 100 NA 14A 2475 NA 85 6555 2,335 1,599 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
ilizophenol Dumehytphenol -Dichlorophenol -A Thichlorobenzene hohralene -Rorocculune -Cachlorobenzene hohralene -Rorocculune -Cachlorobenzene -Cachlorobenzene -Cachlorobenzene -Cachlorobenzene -Cachlorobenzene -Cachlorobenzene -Cachlorophenol -Cachloroph			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,685 130 135 130 131 10 NA 10 NA 155 5 100 NA 12,475 NA 1990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
iurophenol Dunthytphenol Dichlorophenol 4-Trachlorobenzene hinatene Riborostiline ackhorobutadiene (2-Chloroethoxy)metme Riborostiline ackhorobutadiene (3-Chloroethoxy)metme Riborostiline (3-Chloroethoxy)metme Riborostiline (3-Trachlorophenol 5-Trachlorophenol 5-Trachlorophenol Nirocatophenol Nirocatophenol Directorophenol Directorophenol Directorophenol Rivophenol Rivophenol Rivophenol Rivophenol Rivophenol Rivophenol Rivophenol Directorophenol Dir			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 1,685 130 135 131 10 10 10 10 10 10 10 10 10 10 10 10 10
iurophenol Dunchytphenol Dichlorophenol 4-Thichlorobenzene hichlorozhenid 4-Thichlorobenzene hichlorozhene Z-Chlorozhoxy/met-zee hloroz-silme achlorozhoxy/met-zee hloroz-shehytphenol (p-chloro-m-cresol) achlorozhophenol 5-Thichlorophenol 5-Thichlorophenol hloroz-shehalene endy phihalase maphiniene Duncrozhothene Duncrozhene Duncrozhenol introhenol buncrozhene bunc			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,685 130 135 135 136 130 137 140 140 140 1680 1680 1680 1680 1680 1680 1680 168
ilitrophenol Domethylphenol -Dichlorophenol -A-Tholorobenzene phihalene Choroculime cachlorobusduene (2-Culoroethoxy)met.zee Diboro-Smethylphenol (p-chloro-m-cresol) cachlorocyclopeniadi.ene (3-Tholorophenol -A-Tholorophenol -A-Tholorophenol -A-Tholorophenol -B			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,635 130 135 135 130 135 130 135 100 135 5 100 135 5 100 135 100 135 100 135 100 135 100 135 100 135 100 135 100 135 100 135 100 135 100 135 100 135 100 136 100 136 100 137 100 138 100 100 100 100 100 100 100 100 100 10
iurophenol Dunthytphenol Dichlorophenol 4-Trachlorobenzene hhinatene Riborostiliane ackhorobradadene (2-Chlorochoxy)met.zne Riborostiliane (3-Chlorochoxy)met.zne Riborostiliane (3-Chlorochoxy)met.zne Riborostiliane (3-Trachlorophenol 5-Trachlorophenol 5-Trachlorophenol 5-Trachlorophenol Dictrochothalene nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nebyl phinatase nores Durarostone byl phinatase nores Durarostone byl phinatase nores nores nores Durarostone Durarostone byl phinatase nores nor			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 1,685 130 133 NA 10 NA 10 NA 135 5 100 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 2,475 NA 105 1,590 4,000 NA NA NA 105 200 NA NA 105 105 105 105 105 105 105 105 105 105
ilipophenol Domethylphenol Domethylphenol Dichlorophenol 4-Inchlorophenol 4-Inchlorophenol 4-Inchlorophenol Dic			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,635 1,535 130 135 NA 100 NA 115 5 5 100 NA 2,475 NA 990 85 1,590 1,590 1,590 NA NA NA NA NA NA NA NA NA NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
ilipophenol Domethylphenol Dichlorophenol -A Tac			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 1,685 130 135 NA 10 NA 10 NA 2475 NA 2475 NA 2475 NA 255 2335 2335 1,990 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
ilipophenol Domethylphenol -Dichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRichlorophenol -ATRICHlorophenol -ATRICHlorophenol -ATRICHlorophenol -ATRICHlorophenol -ATRICHlorophenol -ATRICHlorophenol -ATRICHLOROPHENOL -ATRICHLOROPHENOL -ATRI			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,635 1,535 130 135 131 10 10 10 10 10 10 10 10 10 10 10 10 10
ilitrophenol Domethylphenol -Dichlorophenol -A-Tholorobenzene phihalene -Chorocatiune sachlorobutadiene (2-Chlorothoxy)met.are Dioro-S-methylphenol -Chloros-Indipphenol -Chloros-Indipphenol -Chloros-Indipphenol -Chloros-Indipphenol -Chloros-Indipphenol -Chloros-Indipphenol -Chloros-Indipphenol -Chloros-Indipphenol -Diversoluene maphylphenol -Diversoluene maphylphenol -Diversoluene maphylphenol -Diversoluene -Diversoluene -Diversoluene -Diversoluene			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 1,685 130 135 NA 10 NA 10 NA 2475 NA 2475 NA 2475 NA 255 2335 2335 1,990 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
iurophenol Dunthytphenol Dichlorophenol 4-Tracilorobenzene hichalene Zichlorostadiene (2-Chlorochoxy)met_zee Dichlorostadiene (3-Chlorochoxy)met_zee Dichlorostadiene (3-Chlorochoxy)met_zee Dichlorostadiene (3-Chlorochoxy)met_zee Dichlorostadiene (3-Trachlorophenol Dichlorostadiene (3-Trachlorophenol S-Trachlorophenol S-Trachlorophenol Dichlorostadiene Dichloros			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 130 135 130 135 130 10 10 10 10 10 10 10 10 10 10 10 10 10
ilipophenol Domethylphenol -Dichlorophenol -AT nichlorobenene -AT nichlorobenene -AT nichlorobenene -AT nichlorobenene -AT nichlorobenene -AT nichlorobenene -AT nichlorobenene -AT nichlorobenene -AT nichlorobenene -AT nichlorobenene -AT nichlorophenol -AT nich			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,635 1,535 130 135 NA 10 NA 10 NA 2,475 NA 1,570 NA 1,5
iurophenol Diritorophenol Diritorophenol Diritorophenol Diritorophenol Diritorophenol Diritorophenol Diritorophenol Diritorophenol Diritorophenol Diritorophenol Diritorophenol Diritorophenol S-Inchlorophenol S-Inchlorophenol S-Inchlorophenol Diritorophenol Diri			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		8,000 660 1,635 130 135 135 130 135 130 135 140 140 140 140 140 140 140 140 140 140
ilitrophenol Domethylphenol -Dichlorophenol -AT Inchlorobenzene phitalene Chlorocation			19U 19U 19U 19U 19U 19U 19U 19U 19U 19U		8,000 660 1,685 1,685 130 135 130 135 130 135 130 135 130 135 5 5 100 100 100 100 100 100 100 100 10

:

Sample ID: SMH-1-95-C-1.4 .ab ID: SMH1C1 Clutriate Prep Date: 05/09/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ve/L	Acute Water Qua Criteria uz/L
DISS. SEMIVOLATILE ORGANICS (SW846 B270): Holding time: 7 days to extract, 40 days to analyze	05/13/95	05/24/95			
henol			100		100 30,000
is(2-chloroethyl)ether -Chlorophenol			10U		560
3-Dichlorobenzene 4-Dichlorobenzene			10U 10U		730
4-Dichlorobenzene			10U		820
-Methylphenol			100		NA 4,543
is(2-chloroisopropyl)ether -Methylphenol			10Ŭ		NA
-Nitroso-di-n-propylamine			10U		NA 60
exachloroethans litrobenzens			100		4,040
ophorone -Nitrophenol			10U 10U	3 J	10,400 8,000
4-Dimethylphenol			100		660
4-Dichlorophenol			100		1,685
2,4-Trichlorobenzene aphihalene			100		133
Chlorospiline			100		NA 10
exachlorobutadiene s/2-Chloroethoxy)methane			100		NA
s(2-Chloroethoxy)methane Chloro-3-methylphenol (p-chloro-m-cresol)			16U		155
exachlorocyclopentadiene 4,6-Trichlorophenol			100		
(3-Trichlorophenol Chloronaphthalene			30U		100
Chloronaphthalene methyl phthalate			100		NA 2,475
renaphthylena			100		NA
6-Dinitrotoluene censphihene			100		990 85
4-Dinitrophenol			50U		655
Nitrophenol 4-Dinitrotoluena			50U 10U		2,335 1,590
ethylphthalate			100		4,000
Chlorophenyl-phenylether			10U 10U		NA NA
uorene 5-Dinitro-2-methylphenol	 		30U		NA
Nitrosodiphenylamine			100		293 270
Bromophenyl-phenylether xachlorobenzena			100		NA NA
ntachlorophenol			500		e (1.005(pH)-4,83
ensubrene uhrecene			10U 10U		NA NA
-n-buryi phthalate			100		105
uoranthene			10U 10U		200 NA
rene uylbenzyl phihalste			100		140
3'-Dichlorobenzidine			20U		NA 0.5
nzo(a)anthracene rrysene			100		NA NA
(2-Ethylhexyl)phthalate -n-octyl phthalate			100		NA 100
-n-octyl phthalate nzo(b)fluoranthene			100		NA
nzo(k)fluoranthene			10U		NA
nzo(a)pyrene (BaP) deno(1,2,3-cd)pyrene			10U 10U		NA NA
bertz(a, h)southracene			300		NA.
nzo(g, h,)perylene nitrosodimethylamine			10U 100U		NA 17,100
nzidine			100U		295
l-Diphenyl-n-hydrazine nzyl Alcohol			100U 10U		15 NA
STICIDES/PCBS (SW846 8080)					
olding time: 7 days to extract, 40 days to analyze	05/15/95	05/19/95	0.0SU		NA
Ia-BHC			0.05Ü		NA
ta-BHC runa-BHC (Lindane)			0.05U 0.05U		NA NA
ptachlor			0.05U		0.26
irin ptachlor Epoxide			0.05U 0.05U		1.5 0.5
ionilian i	<u></u>		0.05U		0.11
ldrin			0.10U 0.10U		1.25 0.35
-DDE Irin			0.09U		0.09
losulfan II			0.10U		0.11
-DDD (p.p'-TDE) losulfan Sulfate			0.10U 0.10U		0.55 0.11
iosynai Sunae -DDT ihoxychlor			0.10U		0.55
thoxychlor Irin Ketone			0,50U ,010U		NA NA
Irin Aldehyde			0.10U		NA.
ns-Chlordane una-Chlordane	 		0.05U 0.05U		1.2
ex			0.10U		NA
clor-1016		$$ \mp	1,00U 0,50U		0.37
clor-1221		<u></u>	0.50U		2
clor-1232			0.50U 0.50U		2 2
clor-1242 clor-1248	- 		0.50U		2
clor-1254			0.50U		2
clor-1260			0.50U		2
SOLVED PESTICIDES/PCBS (SW846 8080)					
ding time: 7 days to extract, 40 days to analyze	05/18/95	05/20/95			
na-BHC s-BHC			0.05U 0.05U		NA NA
a-BHC			0.05U		NA
nna-BHC (Lindane)		 -T	0.05U 0.05U		0.26
TUT)			0.05U	<u></u>	1.5
osachlor rin wachlor Epoxide Iosulfan I			0.05U 0.05U		0.5 0.11

ample ID: SMH-1-95-C-1.4 .ab ID: SMH1C1 Llutriate Prep Date: 05/09/95			Method Detection Limit	Result	Acute Water Qui Criteria
	Date Extracted	Date Analyzed	0.100	ug/L	9 <u>97</u> 2 0.33
4-DDE ndan	 		0.09U		0.09
ndorulfen II			0.100		0.11
4'-DDD (p.p'-TDE)			0.10U 0.10U		0.55
ndosuliza Sulfate 4'-DDT	+	 	0.100	 	0.55
Schoxychlor			0.500		NA.
ndrin Ketone			.0100		NA.
ndrin Aldehyde pha-Chlordane	+		0.10U 0.03U		NA 1.2
amma-Chlordane			0.05U		1.2
tirex			0.100		NA
oxxphene			1.00U 0.50U		0.37
roclor-1016 roclor-1221	 		0.500		2
roclor-1232			0.500		2
roclor-1242			0.50U 0.50U		2
roclor-1248	 		0.50U		2 2
roclor-1254 roclor-1260	+		0.500		2
RGANOPHOSPHORUS COMPOUNDS (SW846 B140):					
olding time: 7 days to extract, 40 days to analyze	05/15/95	05/24/95			
ration			1.00		0.063
njorpytulos	 		1.0U		0.033
ISS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140);				
olding time: 7 days to extract, 40 days to analyze	05/18/95	05/26/95	3.0U		0,065
erathion hiopyratos	 	<u> </u>	1.00	***	0.083
	<u> </u>				
COHOLS/ALDEHYDES (SW846 Modified 8015):					
olding time: None	<u> </u>	05/18/95			
rmaldehyde	1		5000U		2180
Propunol			5000U		227,750
Propanol	 		5000U		443,165
	 				
ISS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015):		05/18/95			
olding time: None rmaldehyde	+	031073	3000U		2180
Propanol			5000U		227,750
Propanol	 		5000U		443, 163
ADDITION TOTAL LANGUE AND ADDITION	04110-4	0/5055			
ORGANICS - TOTAL METALS (SW846 6000/7000):	05/18/95	05/20/95			
olding time: 6 mp. (28 days Hg)	all except Hg	all except Hg	43.8U	9,620	750
munum	+		43.8U 3.6U	3.6 UN	750
seruc	L		1.60	3.9 BN	360
nun .			7.90	117 BN*	20,500
ryllium	 		0.20U 34.9U	93.4 B	NA 8050
oron dmium	1		0.30U	0.31 B	1.79
romium III			10	24	984_32
balt			2.10	7.6 BE	95
opper ·	1		0.9U 2.1U	27.8 N° 22.3 °	9.22
ad ercury	5/26/95, 5/31/95	06/05/95	0.200		33.78 2.4
ckel			3.8U	12.4 BEN	789.01
enium			2.1U	2 1 100	20
ver	ļ	ļI	0.60U 3.4U	4.5 BN 3.4 UN	0.92 65
allium nadium	 	 	3.40 1.20	24.5 BEN	515
nadum K	1		2.10	97.A EN*	65.04
ORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95			
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg			
minum	 		43.8U 3.6U	259	750 88
umony eruc	 		1.60	2.0 B	360
ium			7.90	184 B	20,500
Yllium			0.20U		NA POCO
on Impun	 		34.9U 0.30U	97.3 B	8050 1.79
romam III			10		984.32
pali			210		95
pper			0.9U 2.IU	34.8.*	9.22 33.78
d cury	05/24/93	05/31/95	0.20Ü	·	2.4
kel			3.80		789.01
enjum	1		2.IU 0.60U	0.60 UN	20 0.92
rer Illium	 		3.40	V.60 UN 1	65
radium			1.20	1.7 B	515
•			2.10	51.0	65.04
	l				
ORGANICS - OTHER (Results in me/l):		05/12/95	IU	19	86,000
oride			0.010		NA
loride		05/12/95			22
loride		05/22/95	0.01U	0.2	22 19
loride romium VI aride af Residual Chlorine				0.2	22 19 NA
ORGANICS - OTHER (Results in mg.L): Ioride romum VI anide tal Residual Chlorine tal Suspended Solida		05/22/95 05/12/95	0.01U 0.1U	0,2	19
oride fornium VI muide al Residual Chlorine al Suspended Solida SS, INORGANICS - OTHER (Results in me/L);		05/22/95 05/12/95 05/12/95	0.01U 0.1U 1U		NA.
oride ornium VI rude al Residual Chlorine al Suspended Solids Sisspended Solids Sission March (Results in me/L); oride		05/12/95 05/12/95 05/12/95	0.01U 0.1U	0.2	19 NA 86,000
oride omium VI mide al Resdual Chlorine al Suspended Solids		05/22/95 05/12/95 05/12/95	0.01U 0.1U 1U		NA.

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - miligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate enalysis not within control limits

DL - Detection limit

E - Estimated value because of presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: SMH-2-95-C-0.0-R1 Lab ID: SM2CO1 Elutriate Prep Date: 05/08/95	Dale Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quality Criteria ug/L
VO'ATILE ORGANICS (SW846 8240):		05/13/95			
Holding time: 14 days Ackens		03/13/95	100	42	446,000
Acrolein Acroleinitrile			1000		455 645
Benzne			10U	ļ <u>.</u>	640
Bro-olichloromethane Bro-olorm		ļ	100	 	NA 1825
Bromomethane			100	-	NA
2-Buznone (MEK)			100		161,000 2780
Carbon Tetrachloride 2-Carbonoethylvinylether	 		100		17,500
Chlorobenzene			100		1180
Chicroethane Chicroform			100	 	NA 1945
Chicromethane			100		NA NA
1,2-Dichloropropane 1,1-Dichloroethane			100	 	10,825 NA
1,2-Dichloroethane			100		13,440
1,1-Dichloroethene			100		7460 6750
Discomochloromethane	 		100	}	1000
cu-1,2-Dichloroethene			100		305
cis-1.3-Dichloropropene Ums-1,3-Dichloropropene	l		100		305 2900
Ethy: benzene			100		21,400
2-Hexanone			100		26,000
4-Nichyl-2-Pentanone (MIBK) Methylene Chloride	 		100	29 B	11,840 NA
Styrene			100		695
Tetrachloroethylene			100		1040
1,1,2-Tetrachloroethane 1,1,2-Tetrachloroethane	 		100	 	NA 1040
Tobene			100		1650
1,1,1-Trichloroethane 1,1,2-Trichloroethane			100		3025 3390
The Joroethane (TCE)			100	t	2250
Vimi Chloride			10U		NA 1055
Xylenes (Total)			100		1033
SENUVOLATILE ORGANICS (SW846 \$270); Holding time: 7 days to extract, 40 days to analyze	05/11/95	05/22/95	100		100
Phenol bis(2-chloroethyl)ether			100	-	30,000
2-Calorophenol			10U		560
I,3-Dichlorobenzene I,4-Dichlorobenzene			100		730
1,2-Dichlorobenzene			10U		820
2-Methylphenol bis 2-chloroisopropyl)ether			10U		NA 4,545
4-Methylphenol			100	1.7	NA.
N-N-zoco-di-n-propylamine			100		NA 60
Hexachloroethane Mirobenzene			100		4,040
Isophotone			10U		10,400
2-Narophenol 2-Damethylphenol			100	2 J	8,000 660
2.4-Dichlorophenol			100		1,685
1.24-Trichlorobenzene			100		130
Nanthalene 4-Criorogniline			100		NA NA
Hexachlorobutadiene			100		10
bis: 2-Chloroethoxy)methane 4-Ctioro-3-methylphenol (p-chloro-m-cresol)			100		NA 155
Hexachlorocyclopentadiene			10U		5
24.6-Trichlorophenol 24.5-Trichlorophenol			10U 30U		100
2-Ct-oronaphthalene			100		NA NA
Dimethyl phihalate			100		2,475
Accaphihylene 2.6-Dinurotoluene			10U		NA 990
Ac=zphthene			100		85
2.4-Duntrophenol			SOU SOU		655 2,335
4-Norophenol 2.4-Dirutrotoluene			10U		1,590
Dietrylphihalate 4-Cilorophenyl-phenylether			100		4,000
4-C-iorophenyl-phenylether Fluorene			10U		NA NA
4.6-Dirutro-2-methylphenol			500		NA.
N-N=rosodiphenylamine			100		295 270
4-Bromophenyl-phenylether Hexachlorobenzene			100		270 NA
Pertachloropheno:			sou		e (1.005(pH)-4,830)
Phenzuhrene Anthracene			10U 10U		S NA
Di-n-butyl phthalate			100		105
Fluoranthene			100		200
Prinne But/Senzyl phihalate			100		NA 140
3.3 -Dichlorobenzidine			20U		NA.
Berzo(a)anthracene Chrysene			1U_ 10U		0.5 NA
Bis: 2-Ethylhexyl)phthalate			10U	2 J	NA
Di-n-octyl phthalste			100		100
Benzo(b) fluoranthene Benzo(k) fluoranthene		 	100		NA NA
Serva(a)myrene (RaP)			IOU		NA
ndeno(1,2,3-ed)pyrene Denz(a,h)anthracene			100		NA NA
Serzo(g,h,i)perylene	 _		100		NA
-n-rosodimethylamine			1000		17,100
Serz-dine ,2-Diphenyl-n-hydrazine			100U 100U		29.5 1.5
Derzyl Alcohol			100		NA
		Т			

Sample ID: SMH-2-95-C-0.0-R1 Lab ID: SM2CO1 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ng/L	Result ug/L,	Acute Water Quality Criteria ug/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270):					
Holding time: 7 days to extract, 40 days to analyze Phenol	05/12/95	05/23/95	10U		100
pis(2-chloroethyl)ether 2-Chlorophenol			10U		30,000 560
1,3-Dichlorobenzene			100		345
1,4-Dichlorobenzene 1,2-Dichlorobenzene			10U		730 820
2-Methylphenol			100		NA
bis(2-chloroisopropyl)ether			10U		4,545 NA
I-Methylphenol N-Nitroso-di-n-propylamine			10U		NA .
Hexachioroethane			10U 10U		60 4,040
Nitrobenzene sophorone			10U		10,400
2-Nitrophenol			100		8,000
2,4-Dimethylphenol 2,4-Dichlorophenol		 	10U	2 JB	660 1,685
1,2,4-Trichlorobenzene			10U		130
Naphthalene			10U		NA
-Chlorozniine Iexachlorobuzaciene			10U		10
ns(2-Chloroethoxy)methane -Chloro-3-methylphenol (p-chloro-m-cresol)			100		NA ISS
-Chloro-3-methylphenol (p-chloro-m-cresol) lexachlorocyclopentadiene		· · · · · · · · · · · · · · · · · · ·	100		5
4.6-Trichlorophenol			10U		3
4,5-Trichlorophenol -Chloronsphitusiene			50U 10U		NA
Incidentification of the second of the secon		<u> </u>	10U		2,475
Accensiphthylene			100		NA 990
6-Dinitrotoluene Acensphihene		 -	100		85
4-Dinitrophenol			SOU		633
-Nurophenol 4-Dinitrotoluene		 	50U 10U		2,335 1,590
hethylphtha!#e			10U		4,000
-Chlorophenyl-phenylether			10U		NA VA
luorene ,6-Dinitro-2-methylphenol			10U 50U		NA NA
I-Nitrosodiphenylamine			10U		295
-Bromophenyl-phenylether			100		270 NA
entachlorophenol			SOU		e (1.005(pH)-4,830)
henanthrene			10U		NA NA
nthracene n-n-butyl phthalate			100		105
luoranthene			100		200
yrene httylbenzyl phthalate			10U 10U		NA 140
3'-Dichlorobenzidine			20U		NA
enzo(a)anthracene			1U 10U		0.5 NA
Invisene is(2-Ethylhexyl)phthalate			100		NA NA
h-n-octyl phihalate			100		100
enzo(b)fluoranthene enzo(k)fluoranthene			10U		NA NA
ento(a)nytene (RaP)			10U		NA.
ndeno(1,2,3-cd)pyrene hbenz(a,h)anthracene			100		NA NA
enzo(g, h, i)perylene			100		NA
-nitrosodimethylamine			100U 100U		17,100 295
enzidine 2-Diphenyl-n-hydrszine			100U		15
enzył Alcohol			100		NA
ESTICIDES/PCBS (SW846 8080)	05/10/95	05/10/05			
olding time: 7 days to extract, 40 days to analyze	03/10/93	05/18/95	0.05U		NA
ta-BHC			0.05U		NA NA
lia-BHC mma-BHC (Lindane)			0.05U 0.05U		NA 1
eptachior			0.05U		0.26
ldrin -puachlor Epoxide			0.05U 0.05U		1.5
ndosulfan I			0.050		0.11
eldrin			0.10U 0.10U		1.25 0.55
4'-DDE	- 		0.09U		0.09
domilian II			0.10U		0.11
'-DDD (p,p'-TDE) dosulfan Sulfate			0.10U 0.10U		0.55 0.11
r-DDT			0.10U		0.55
shoxychlor			0.50U .010U		NA NA
drin Ketone drin Aldehyde			0.10U		NA.
hs-Chlordane			0.05U		1.2
rma-Chlordane rex			0.050		1.2 NA
xaphene			1.000		0.37
oclor-1016			0.500		2 2
oclor-1221 oclor-1232			0.50U		2
oclor-1242			0.50U		2
oclor-1248 oclor-1254			0.50U 0.50U		2 2
octor-1254 octor-1260			0.50U		- 2
SSOLVED PESTICIDES/PCBS (SW846 8080)	nemane	05/1000	ļ	i	
iding time: 7 days to extract, 40 days to analyze	05/10/95	05/19/95	0.05U		NA NA
a-BHC			0.05U		NA
ta-BHC nma-BHC (Lindane)			0.05U 0.05U		NA 1
ptachlor			0.05U		0.26
irin ptachlor Epoxide			0.05U		0.3
otachior Epoxide	 		0.0SU		0.11
			0.100		1.25

· ·

Sample ID: SMH-2-95-C-0.0-R1 Lab ID: SM2CO1		1	Method Detection		Acut- Water Ouality
Elutriate Prep Date: 05/08/95			Limit	Result	Criteria
4.4-DDE	Date Extracted	Date Analyzed	ue/L 0.10U	ug/L	0.55
Endria		 	0.09U		0.09
Endosulfan ti			0.10U		0.11
(4'-DDD (p,p'-TDE) Endosulian Sulfate		 	0.10U 0.10U		0.55
I,4'-DDT			0.10U		0.55
Methoxychlor			0.50U		NA.
Endrin Ketone Endrin Aldehyde			UC10. U01.0		NA NA
alpha-Chlordane	+		0.0SU		1.2
umma-Chlordane			0.05U		1.2
Mirex Toxaphene			0.10U 1.00U		0.37
Aroclor-1016			0.50U		2
Aroclor-1221		ļ	0.50U 0.50U	ļ	2 2
Aroclor-1232 Aroclor-1242			0.50U		2
Aroclor-1248			0.50U		2
Aroclor-1254 Aroclor-1260	+		0.50U 0.50U		2 2
NIOCIOI-1280	 		<u> </u>		
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):					
Holding time: 7 days to extract, 40 days to analyse	05/10/95	05/23/95		Ì	
Parathion			1.0U		0.065
Chlorpyrifot			1.00		0.083
NICE ODCANODUOEDUODUE COMPONINO ENTRE	 				
DISS. ORGANOPHOSPHORUS COMPOUNDS (SW846 8140 Holding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95			
Parathion			1.00		0.065
hlorpyrifoe	 	 	1.0U		0.083
ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	 				
		05/17/95			
Holding time: None	 	בעיוועט ב	5000U		2180
Formaldehyde -Propenol	+		3000U		227,750
2-Propanol			5000U		443,165
DISS. ALCOHOLS/ALDRHYDES (SW846 Modified 8015):	i	05/11/95			
Iolding time: None ormaldehyde	 -	0311173	5000U		2180
-Propanol			5000U		227,750
-Propenol	- 	l	5000U		443,165
NODCANICE TOTAL METALS COURSE COMO COMO	05/18/95	05/20/95			
NORGANICS - TOTAL METALS (SW846 6000/7000):	all except Hg	all except Hg			
Holding time: 6 mo. (28 days Hg)	an excepting	an entering	43.8Ú	95,100	750
Улитолу			3.60	3.6 UN	88
Amenic Barium	 		1.6U 7.9U	57.6 N 1200 N*	360 20,500
Beryllium	 		0.20U	7.1	NA NA
oron			34.90	182	8050
Diromium III	 		0.30U IU	20.7 451	1.79 984.32
Coball	1		2.10	83.5 E	95
Copper			0.90	348 N°	9.22
lead Aereury	5/26/93, 5/31/95	06/05/95	2.1U 6.20U	746 • 1.4	33.78 2.4
lickel	32373, 23273	000373	3.80	162 EN	789.01
elenium			2.10	9.7 N	20
ilver hallium	 		0.60U 3.4U	24.0 N 4.9 BN	0.92 65
anadium	L		1.20	211 EN	515
inc			2.10	2340 EN*	65.04
		enene enene			
NORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95			
loiding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	43.8U	2330	750
numinum			3.60		88
rsenic			1.60	6.5 B	360
arium eryllium	 		7.9U 0,20U	426 0.83 B	20,500 NA
oron			34.90	171	8050
admium			0.300		1,79
hromium III	 		10 2.10	11 2.5 B	984.32 95
obali opper	1			71.0 *	9.22
tad	220.00		2.10	54,0%365563 4.9 .03466	33.78
lertury ickel	05/24/95	05/31/95	0.20U 3.8U		2.4 789.01
e enium			2.10	2.6 B	20
lver	4		0.60U	0.60 UN	0.92 65
halbum anadium	 		3.4U 1.2U	53.9	513
one			2.10	121	63.04
					
NORGANICS - OTHER (Results in me/L):] [05/12/95	າບ	21	86,000
hloride hromium VI	 	05/12/95	0.01U		NA
yaride otal Residual Chlorine		05/22/95	0.01U		22
otal Residual Chlorine	 	05/12/95 05/12/95	0.1U	4980	I9 NA
otal Suspended Solids	 	773		7700	
ISS. INORGANICS - OTHER (Results in mg/L):					
		05/12/95		21	86,000
hloride					
hloride hromium VI		05/12/95	0.010		NA 22
hloride		05/12/95 05/22/95 05/12/95	0.01U 0.01U	32	NA 22 19

Definitions:

NA - Not Available

NB - Not Available

NB - Not Available

NB - Not Available

U- Undetected

J- Estimated value

B- Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

- Duplicate analysis not within control limits

DL - Detection limit

E- Estimated value because of presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: SMH-2-95-C-0.0-R2 Lab ID: SM2C02 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result uo/L	Acute Water Quality Criteria ug/L
VOLATILE ORGANICS (SW846 8240):		1			
Holding time: 14 days		05/13/95	. 100	37	446,000
Acrolein			100U		455
Acrylonitrile Benzene			1000		640
Bromodichloromethane			100		NA NA
Bromoform Bromomethane			100		1825 NA
2-Butanone (MEK)			100		161,000 2780
Carbon Tetrachlonds 2-Chloroethylvinylether	<u>-</u>		100		17,500
Chlorobenzene			100		1180 NA
Chloroethane Chloroform			100		1945
Chloromethane			100		NA 10,825
I_2-Dichloropropane I_1-Dichloroethane		<u> </u>	100		NA.
1.2-Dichloroethane			100		15,440 7460
I, I-Dichloroethene Dibromochloromethane			100	i	6750
1,2-trans Dichloroethylene			100		1000 305
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	 		100		305
trans-1,3-Dichloropropene			100		2900 21,400
Ethylbenzene 2-Hexanone			100		26,000 11,840
4-Methyl-2-Pentanone (MIBK)			100	2 JB	11,840 NA
Methylene Chloride Styrene	 		100		695
Tetrachloroethylene			100		1040 NA
Stytene Tetrachloroethylene 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane			100		1040
ioluene			100		1650 3025
I, I, I-Trichloroethane I, I, 2-Trichloroethane			100		3390
Trichloroethene (TCE)			100		2250 NA
Vinyl Chloride Xylenes (Total)			100		1055
SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze Phenol	05/11/95	05/22/95	100		100
bis(2-chloroethyl)ether			100		30,000
2-Chlorophenol			100		360 345
1,3-Dichlorobenzene 1,4-Dichlorobenzene			100		730
1,2-Dichlorobenzene 2-Methylphenol			100		820 NA
bis(2-chloroisopropyl)ether			100		4,545
4-Methylphenol N-Nitroso-di-n-propylamine			10U		NA NA
Hexachloroethane			IOU		60
Nitrobenzene Isophorone			100		4,040 10,400
2-Nitrophenol			100		8,000
2,4-Dimethylphenol			100	1.7	660 1,685
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			100		130
Naphthalene			100		135 NA
4-Chloroaniline Hexachlorobutadiene			100		10
bis(2-Chloroethoxy)methane 4-Chloro-3-methylphenol (p-chloro-m-cresol)			100		NA 133
Hexachlorocyclopentadiene			100		3
2,4,6-Tnchlorophenol 2,4,5-Tnchlorophenol			10U 50U		100
2-Chloronaphthalene			10U		NA
Dimethyl phthalate Acenaphthylene			100		2,475 NA
2,6-Dinitrotoluene			100		990_
Acenaphthene			10U 30U		85 655
2,4-Dinitrophenol 4-Nitrophenol			50U		2,335 1,590
2.4-Dinitrotoluene			100		1,590
Diethylphthalate I-Chlorophenyl-phenylether			10U 10U		4,000 NA_
morene			100		NA
,6-Dinitro-2-methylphenol V-Nitrosodiphenylamine			30U 10U		NA 295
-Bromophenyl-phenylether			10U 10U		270 NA
lexachlorobenzene Pentachlorophenol			50U		e (1.005(pH)-4,830)
henanthrene			100		3 NA
Anthracene D-n-butyl phthalate			100		105
Inoranthene			10U 10U		200 NA
yrene Butylbenzyl phthalate	- -		iou		140
3'-Dichlorobenzidine			20U		NA.
enzo(a)anthracene			100		0.3 NA
hrysene Bis(2-Ethylhexyl)phthalate			100		NA
N-n-octyl phihalate Benzo(b)fluoranthene			10U 10U		100 NA
Senzo(k)Buoranthene			100		NA
Senzo(a)pyrene (BaP)			10U		NA NA
ndeno(1,2,3-cd)pyrene hbenz(a,h)anthracene			100_		NA NA
enzo(g.h.)perylene -nitrosodimethylamine			1000		NA 17,100
lenzidine			1000		295
,2-Diphenyl-n-hydrazine ienzyl Alcohol			1000		NA NA

Sample ID: SMH-2-95-C-0.0-R2 Lab ID: SM2C02 Elutriate Prep Date: 05/08/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result ug/L	Acute Water Quality Criteria uc/L
DISS. SEMIVOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/12/95	05/23/95	'		
Phenol bis(2-chloroethyl)ethor			100		100 30,000
2-Chlorophenol			100		360 345
1,3-Dichlorobenzene 1,4-Dichlorobenzene			100		_ 730
1,2-Dichlorobenzene 2-Methylphenol		 	100		820 NA
bis(2-chloroisopropyl)ether			100		4,545 NA
4-Methylphenol N-Nitroso-di-n-propylamine			10U		NA NA
Hexachloroethane Nitrobenzene		 	100		60 4,040
cophorone 2-Nitrophenol			100		10,400 8,000
2,4-Dimethylphenol			100	2 JB	660 1,685
2,4-Dichlorophenol 1,2,4-Trichlorobenzene			100		130
Naphthalene 4-Chloroaniline			100		133 NA
Hexachlorobutadiene bis(2-Chloroethoxy)methane			100		NA
4-Chloro-3-methylphenol (p-chloro-m-cresol)			100		155
Hexachlorocyclopentadiene 2,4,6-Trichlorophenol			100		3
2.4.5-Trichlorophenol 2-Chloronaphthalene			30U 10U		IOO NA
Dimethyl phthalate			100		2,475
Acenaphthylene 2.6-Dinitrotoluene		<u> </u>	10U 10U		NA 990
Acenaphthene		 	10U 50U		85 655
2,4-Dinitrophenol 4-Nitrophenol			30U		2,335
2,4-Dirutrotolucne Diethylphihalate			16U 10U		1,590 4,000
4-Chlorophenyl-phenylether			100		NA NA
6.6-Dirutro-2-methylphenol	 		300		NA 295
N-Nitrosodiphenylamine 4-Bromophenyl-phenylether			loU		293
Hexachlorobenzene Pentachlorophenol			10U 50U		NA e (1.005(pH)-4,830)
henanturene			100		3
Anthracene Di-n-butyl phthalate			100		NA 103
luoranthene -			100		200 NA
Pyrene Burylbenzyl phthalate			100		140
3_1'-Dichlorobenzidine Benzo(a)anthracene			20U 1U		NA 0.5
hrysene Bis(2-Ethylhexyl)phthalate			10U	17	NA NA
D-n-octyl phthalate Senzo(b)fluoranthene			10U		100
Benzo(b)fluoranthene Benzo(k)fluoranthene	 		100		NA NA
Denzo(a)pyrene (BaP) ndeno(1,2,3-cd)pyrene			10U		NA NA
Dibenz(a,h)anthracene			10U_ 10U		NA NA
Jenzo(g,h.)perylene N-nitrosodumethylamine			1000		NA 17,100
Penzidine _2-Diphenyl-n-hydrazine			1000		295 15
Penzyl Alcohol			100		NA
PESTICIDES/PCBS (SW846 8080)					
folding time: 7 days to extract, 40 days to analyze	05/10/95	05/18/95			<u>Ni</u>
lpha-BHC eta-BHC	+		0.05U 0.05U		NA NA
elm-BHC amma-BHC (Lindane)	 		0.05U 0.05U		NA I
leptachlor			0.05U 0.05U		0.26 1.5
Udrin Feptachlor Epoxide			0.05U		0.5
ndosulfan I Dieldrin	-		0.05U 0.10U		0.11 1.23
,4'-DDE			0.10Ú 0.09Ú		0.55 0.09
ndrin ndosulfan II			0.100		0.11
4'-DDD (p.p'-TDE) ndosulfan Sulfate	+		0.10U 0.10U		0.55 0.11
A-DDT (ethoxychlor			0.10U 0.30U		0.53 NA
ndrin Ketone			.010U		NA
nam ketone			0.10U 0.05U		NA J.2
ndin Aldehyde pha-Chlordane					
ndrin Aldehyde Ipha-Chlordane annia-Chlordane			0.05U		1.2 NA
ndrin Aldehyde pha-Chlordane amma-Chlordane fürex oxaphene			0.05U 0.10U 1.00U		NA 0.37
ndrin Aldehyde ipha-Chlordane amma-Chlordane firex oxaphene roctor-1016			0.05U 0.10U 1.00U 0.30U 0.50U		NA 0,37 2 2
ndrin Aldehyde pha-Chlordane aruma-Chlordane furex coaphene proclor-1016 proclor-1221 proclor-1232			0.05U 0.10U 1.00U 0.30U 0.30U 0.50U		NA 0.37 2 2 2
ndrin Aldehyde phia-Chlordane amma-Chlordane firex coraphene roclor-1016 roclor-1221 roclor-1232 roclor-1242			0.05U 0.10U 1.00U 0.30U 0.30U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2
ndrin Aldehyde pha-Chlordane anuna-Chlordane (irrex oxaphene roclor-1016 roclor-1221 roclor-1232			0.05U 0.10U 1.00U 0.30U 0.30U 0.50U 0.50U		NA 0.37 2 2 2 2 2
ndrin Aldehyde phpa-Chlordane amma-Chlordane firex oxaphene roclor-1016 roclor-1221 roclor-1232 roclor-1242 roclor-1248 roclor-1254 roclor-1254			0.05U 0.10U 1.00U 0.30U 0.30U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2 2 2
indrin Aldehyde pha-Chlordane anuma-Chlordane fürex oxaphene roctor-1016 roctor-1221 roctor-1232 roctor-1242 roctor-1248 roctor-1254 roctor-1260 ISSOLVED PESTICIDES/PCRS (SW846 8080)	05/10/95	05/19/95	0.05U 0.10U 1.00U 0.30U 0.30U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2 2 2
ndrin Aldehyde pha-Chlordane amma-Chlordane firex oxaphene poclor-1016 poclor-1221 preclor-1232 preclor-1242 preclor-1248 preclor-1248 preclor-1254 preclor-1260 ISSOLYED PESTICIDES/PCBS (SW846 8080) olding time: 7 days to extract, 40 days to analyze pha-BHC	05/10/95	05/19/95	0.05U 0.10U 1.00U 0.30U 0.30U 0.50U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2
ndrin Aldehyde pha-Chlordane amma-Chlordane firex oxaphene proclor-1016 proclor-1221 proclor-1232 proclor-1242 proclor-1248 proclor-1248 proclor-1254 proclor-1260 ISSOLVED PESTICIDES/PCBS (SW846 8080) olding time: 7 days to extract, 40 days to analyze pha-BHC tha-BHC	05/10/95	05/19/95	0.05U 0.10U 1.00U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U		NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 3 2
indrin Aldehyde phis-Chlordane amma-Chlordane furex oxaphene roclor-1016 roclor-1221 roclor-1232 roclor-1232 roclor-1242 roclor-1248 roclor-1254 roclor-1254 roclor-1256 ISSOLYED PESTICIDES/PCBS (SW846 8080) olding time: 7 days to extract, 40 days to analyze pha-BHC tia-BHC times-BHC (Lindane)	05/10/95	05/19/95	0.05U 0.10U 0.10U 0.30U 0.30U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 3 4 4 4 4
indrin Aldehyde pha-Chlordane anuma-Chlordane furex cotaphene roctor-1016 roctor-1221 roctor-1232 roctor-1242 roctor-1242 roctor-1248 roctor-1254 roctor-1260 ISSOLVED PESTICIDES/PCRS (SW846 8080) olding time: 7 days to extract, 40 days to analyze pha-BHC the-BH	05/10/95	05/19/95	0.05U 0.10U 1.00U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U 0.30U		NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 2 3 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
indrin Aldehyde pha-Chlordane umma-Chlordane umwa-Chlordane urex ocaphene roclor-1016 roclor-1221 roclor-1222 roclor-1242 roclor-1248 roclor-1234 roclor-1234 roclor-1234 roclor-1236 ISSOLVED PESTICIDES/PCBS (SW846 8080) olding time: 7 days to extract, 40 days to analyze pha-BHC eta-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC tan-BHC	05/10/95	05/19/95	0.05U 0.10U 0.10U 0.30U 0.30U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U 0.50U		NA 0.37 2 2 2 2 2 2 2 2 2 2 2 2 3 4 NA NA NA 1 0.26

March Comme

Sample ID: SMH-2-95-C-0.0-R2 .ab ID: SM2C02 Clutriate Prep Date: 05/08/95			Method Detection Limit	Result	Acute Water Qua Criteria
4-DDE	Date Extracted	Date Analyzed	# <i>e/\</i> €.160	pe/],	8.55
ndria			0.09U		0.09
ndosulian II			0.100		0.11
4'-DDD (p.p'-TDE)			0.10U 0.10U		0.55
ndosulfan Sulfate 4'-DDT		 	0.100	ļ	0.11 0.55
ethoxychlor		 	0.300		NA NA
ndrin Ketone			.0100		NA
ndrin Aldehyde			0.100		NA NA
pha-Chlordane			0.05U		1.2
mms-Chlordane			0.05U		1.2
rex		 	0.10U 1.00U		NA 0.37
oxaphene			0.500		2
oclor-1016 oclor-1221		 	0.500		
roclor-1221	 		0.500		2
roclor-1242		 	0.300		2
oclor-1248	1		0.300		2
oclor-1254			0.50U		2
oclor-1260			0.30U		2
RGANOPHOSPHORUS COMPOUNDS (SW846 8140):	05/10/95	05/25/95			
olding time: 7 days to extract, 40 days to analyze	03/10/93	93/23/93	1.00		0.065
rathion Jorpynios	 	 	1.00		0.083
потругнов		1			
SS, ORGANOPHOSPHORUS COMPOUNDS (SW846 8140	n-l				
olding time: 7 days to extract, 40 days to analyze	05/10/95	05/24/95			
rathion	1	1	1.00		0.065
lorpyrifos			1.00		0.083
COHOLS/ALDEHYDES (SW846 Modified 8015):					
olding time: None	1	05/17/95			
	 	VJ/ 1//33	600017		9159
rmaldehyde	 		5000U 5000U		2180 227,750
Propanol	+	 	50000		443,165
Propanol	+	 	2020		.70,300
on at course out DRIFFDE CUESCA ACADE A SOLD	1	 			
SS. ALCOHOLS/ALDEHYDES (SW846 Modified 8015): olding time: None	l _	05/11/95			
maldehyde			5000U		2180
Propanol	 		5000U		227,750
Propunol			5000U		443,165
ORGANICS - TOTAL METALS (SW846 6000/7000);	05/18/95	05/20/95			
		all except Hg			
olding time: 6 mo. (28 days Hg)	all except Hg	BIII except He	43.8U	20,100	750
uninum ibmony	 	 	3.60	20,100 3.6 UN	88
тепіс	 	 	1.60	8.3 BN	360
rium	1		7.90	226 N°	20,500
ryllium			0.200		NA NA
ron			34.9U	124	8050
dmium	 		0.30U		1.79
romium III		 	10 2.10	10.7 BE	984.32 95
balt	 	 	0.90	10.7 BE	9.22
pper ad	 		2.10	15.6	33.78
rewy	3/26/95, 5/31/95	06/05/95	0.20U		2.4
:kel	1	11.11.72	3.8U	21.8 BEN	789.01
enum			2.10	2.1 UN	20
ver			0.60U	0.60 UN	0.92
מעווו	ļ	Ļ	3.40	3.1 UN	- 65
nadium	1		1.2U	72.1 EN	515
c		<u> </u>	2.1U	190 EN*	65.04
	 	 			
ORGANICS - DISS. METALS (SW846 6000/7000):	05/19/95	5/25/95, 5/31/95	l	j	
lding time: 6 mo. (28 days Hg)	all except Hg	all except Hg	!	1	
minum			43.8U	327 •	750
imony			3.60		88
enic			1.60	2.3 B	360
ium yllium	 		7.9U 0.20U	275	20,500 NA
ушин	 	 	34.9U	66.2 B	NA 8050
on Inium	 	 	0.300		1.79
romium III	 		10		984.32
pali			2.10		95
oper			0.9U	28.1.*	9.22
.d	65.57		2.10		33.78
cm.	05/24/95	05/31/95	0.20U 3.8U	0.47	789.01
kel num	 	 	3.8U 2.1U	····	789.01
	 		0.600	0.60 UN	0.92
Pf .	 		3.4U		65
er			1.20	12.0 B	515
er Hium nadium	1		2.1U	21.6	65.04
er Ilium iadium					
er Hium nadium					
er Libum radium C					
er Illium ladium 6 C ORGANICS - OTHER (Results in mg/L):		05/12/95	10	21	86,000
er Illium ladium c DRGANICS - OTHER (Results in mg/L): oride oride		05/12/95	0.01U	21	NA.
er Illium ladium C C C C C C C C C C C C C		05/12/95 05/22/95	0.01U	21	NA 22
er Lillium Ladrum C DRGANICS - OTHER (Results in mg/L): oride oride orimum VI nuide al Residual Chlorine		05/12/95 05/22/95 05/12/95	0.01U 0.01U 0.1U		NA 22 19
er Illium Industria CRGANICS - OTHER (Results in mg/L); oride oride oride al Residual Chlorine al Residual Chlorine al Suspended Solide		05/12/95 05/22/95	0.01U	21	NA 22
er Lillium Lillium Paditum e PRGANICS - OTHER (Results in mg/L): oride omium VI unde Il Residual Chlorine al Suspended Solids		05/12/95 05/22/95 05/12/95	0.01U 0.01U 0.1U		NA 22 19
er Lillium Lindium C C C C C C C C C C C C C		05/12/95 05/22/95 05/12/95 05/12/93	0.01U 0.01U 0.1U 1U	2560	NA 22 19 NA
er Illium ladium 6 ORGANICS - OTHER (Results in mg/L); oride omium VI unde al Rendual Chlorine al Suspended Solids S. INORGANICS - OTHER (Results in mg/L); oride		05/12/95 05/22/95 05/12/95 05/12/95	0.01U 0.01U 0.1U 1U		NA 22 19 NA 86,000
er Libum Lib		05/12/95 05/22/95 05/12/95 05/12/95 05/12/95	0.01U 0.01U 0.1U 1U 1U 0.01U	2560	NA 22 19 NA 86,000 NA
er Illium ladium 6 ORGANICS - OTHER (Results in mg/L); oride omium VI unde al Rendual Chlorine al Suspended Solids S. INORGANICS - OTHER (Results in mg/L); oride		05/12/95 05/22/95 05/12/95 05/12/95	0.01U 0.01U 0.1U 1U	2560	NA 22 19 NA 86,000

Definitions:

NA - Not Available

ugL - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (morganics)

* Duplicate enalysis not within control limits

DL - Detection limit

E - Estimated value because of presence of interference

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: River Water Lab ID: RIVH2O Sampling Date: 4/30/95	Date Extracted	Date Analyzed	Method Detection Limit ug/L	Result	Acute Water Quality Criteria ue/L
YOLATILE ORGANICS (SW846 8240);					
Holding time: 14 days		5/04/95			
Acetone		ļ	10U 100U		446,000
Acrolein Acrylonitrile		 	1000		645
Benzene			100		640
Bromodichloromethane	_		10U		NA 1825
Bromonorm Bromomethane			100		NA
2-Butanone (MEK)			100		161,000
Carbon Tetrachloride 2-Chloroethylvinylether		<u> </u>	100		2780 17,500
2-Chloroethylvinylether Chlorobenzene			ioU		1180
Chloroethane			10U		NA NA
Chloroform Chloromethane	- 	 	10U 10U		1945 NA
1.2-Dichloropropane			10U		10,825
1,1-Dichloroethane			100		15.440
1,2-Dichloroethane			100		7460
Dibromochloromethane			100		6750
1,2-trans Dichloroethylene			100		1000
eis-1,2-Dichloroethene			100		305
cis-1,3-Dichloropropene trans-1,3-Dichloropropene			100		2900
Ethylbenzene			10U		21,400
2-Hexanone	 	 	10U 10U		26,000 11,840
4-Methyl-2-Pentanone (MIBK) Methylene Chloride			10U	2 JB	NA
Styrene			100		695
Tetrachloroethylene			10U 10U		1040 NA
1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane	 	 	100		1040
Toluene			100		1650
1,1,1-Trichloroethane			10U 10U		3025 3390
1,1,2-Trichloroethane Trichloroethene (TCE)			100		2250
Vinyl Chloride			10U		NA NA
Xylmes (Total)			10U		1055
THE PARTY OF CONTRACT PARTY.					
SEMIYOLATILE ORGANICS (SW846 8270): Holding time: 7 days to extract, 40 days to analyze	05/06/95	05/21/95			
Phenol	- 03/00/33	05:21125	10U		100
bis(2-chloroethyl)ether			100		30,000
2-Chlorophenol		<u> </u>	100		560 34 5
1,3-Dick orobenzene		 -	100		730
1,2-Dichlorobenzene			100		820
2-Methylphenol			10U 10U		NA 4,545
pis(2-chloroisopropyl)ether 4-Methylphenol			100		NA NA
N-Nitroso-di-n-propylamine			10U		NA NA
lexachloroethane		<u> </u>	100		4,040
Nitrobenzene sophorone			100	2 J	10,400
l-Nitrophenol			100		8,000
2,4-Dimethylphenol 2,4-Dichlorophenol		 	100	1.1	1,685
,2,4-Trichlorobenzene			100		130
Naphthalene			100		133
-Chloroaniline	 		100		NA 10
lexachlorobutadiena			1011		1 10
us/ / J. bloroethoxy kmethane			100		10 NA
ns(2-Chloroethoxy methane -Chloro-3-methylphenol (p-chloro-m-cresol)			10U 10U		NA 155
-Chloro-3-methylphenol (p-chloro-m-cresol) lexachlorocyclopentadiena			10U 10U 10U		NA 155 5
nis(2-Chloroethoxy)methane 1-Chloro-3-methylphenol (p-chloro-m-cresol) 1-Exachlorocyclopentadiene 1-4.6-Trichlorophenol 1-4.5-Trichlorophenol			10U 10U		NA 155
-Chloro-3-methylphenol (p-chloro-m-cresol) iexseblorocyclopentadiene ,4,6-Trichlorophenol ,4,5-Trichlorophenol -Chloronaphthalene			10U 10U 10U 10U 50U 10U		NA 133 3 5 100 NA
-Chloro-3-methylphemol (p-chloro-m-cresol) iewechlorocyclopentadiene (4,6-Trichlorophemol (4,5-Trichlorophemol i-Chloronaphthalene immethyl phthalate			10U 10U 10U 10U 50U 10U		NA 135 5 5 100 NA 2,475
-Chloro-3-methylphenol (p-chloro-m-cresol) fexschlorocyclopentadiene 4,4,6-Trichlorophenol -Chloronaphthalene Dimethyl phthalate censpothylene			10U 10U 10U 10U 10U 50U 10U 10U		NA 135 5 5 100 NA 2,475 NA
J-Chloro-3-methylphenol (p-chloro-m-cresol) Jexschlorocyclopentadiene J-(4,6-Trichlorophenol J-Chloronaphthalene Jimethyl phthalate Accasphthylene J-Chlorotolocne			10U 10U 10U 10U 50U 10U		NA 135 5 3 100 NA 2,475 NA 990
-Chloro-3-methylphenol (p-chloro-m-cresol) lexachlorocyclopentadiena			10U 10U 10U 10U 50U 10U 10U 10U 10U 10U		NA 135 5 5 100 NA 2,475 NA 990 85 655
-Chloro-3-methylphenol (p-chloro-m-cresol) -Exachlorocyclopentadiene -(4,6-Trichlorophenol -(4,5-Trichlorophenol -Chloronaphthalene			10U 10U 10U 10U 50U 10U 10U 10U 10U 10U 50U 50U		NA 155 5 5 100 NA 2,475 NA 990 85 635 2,335
-Chloro-3-methylphemol (p-chloro-m-cresol) iersehlorocyclopentadiene (4,6-Trichlorophemol (4,5-Trichlorophemol (-Chloronaphthalene) imethyl phthalate (cenaphthylene (6-Dinitrotoluene (cenaphthene (4-Dinitrotoluene (4-Dinitrotoluene (4-Dinitrotoluene (4-Dinitrotoluene			10U 10U 10U 10U 50U 10U 10U 10U 10U 10U 50U 50U		NA 135 5 5 100 NA 2,475 NA 990 85 635 2,335
Chloro-3-methylphenol (p-chloro-m-cresol) Exschlorocyclopentadiene			10U 10U 10U 10U 50U 10U 10U 10U 10U 50U 50U 50U 50U		NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA
-Chloro-3-methylphemol (p-chloro-m-cresol) lexechlorocyclopentadiene (A,6-Trichlorophemol (A,5-Trichlorophemol -Chloronaphthalene himethyl phthalate lecenaphthylene (6-Dinitrotoluene lecenaphthene (A-Dinitrotoluene lecenaphthene (A-Dinitrotoluene lecenaphthene (A-Dinitrotoluene lecenaphthene (A-Dinitrotoluene lecenaphthene (A-Dinitrotoluene lecenaphthene lecenapht			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 135 5 5 100 NA 2,475 NA 990 85 635 2,335 1,590 4,000 NA NA
-Chloro-3-methylphemol (p-chloro-m-cresol) ieszehlorocyclopentadiene 4,6-Trichlorophemol 4,5-Trichlorophemol -A,5-Trichlorophemol -Chloronaphthalene bimethyl phthalate icenaphthylene 6-Dinitrotoluene cenaphthene 4-Dinitrotoluene icenaphthene 4-Dinitrotoluene icenaphthene 4-Dinitrotoluene icenaphthene 6-Dinitrotoluene icenaphthene 6-Dinitrotoluene icenaphthene 6-Dinitrotoluene icenaphthene 6-Dinitrotoluene icentylphthalata -Chlorophemyl-phemylether luorene 6-Dinitro-2-methylphemol			10U 10U 10U 10U 50U 10U 10U 10U 10U 50U 50U 50U 50U		NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA
Chloro-3-methylphemol (p-chloro-m-cresol) lexechlorocyclopentadiene 4,6-Trichlorophemol 4,5-Trichlorophemol -Chloronaphthaleme imethyl phthalate lexecaphthylene 6-Dinitrotoluene lexecaphtheme 4-Dinitrotoluene lexecaphthylene 4-Dinitrotoluene lexecaphthylene lexecaphthylene 6-Dinitrotoluene lexecaphthylene lexecaphtheme 4-Dinitrotoluene lexecaphthyleneol lextylphthalate -Chlorophemyl-phemylether luorene 6-Dinitro-2-methylphemol -Nitrosodiphemylamine -Bromophemyl-phemylether			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 135 5 5 100 NA 2,475 NA 990 85 635 2,335 1,590 4,000 NA NA NA NA
-Chloro-3-methylphenol (p-chloro-m-cresol) ierachlorocyclopentadiene (A,6-Trichlorophenol -A,5-Trichlorophenol -A,5-Trichlorophenol -Chloronephthalene bimethyl phthelate cenaphthylene (A-Dinitrotoluene cenaphthene (A-Dinitrotoluene -A-Dinitrotoluene -A-Dinitrotoluene			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA 295 270 NA
-Chloro-3-methylphenol (p-chloro-m-cresol) ierachlorocyclopentadiene (4,6-Trichlorophenol (4,5-Trichlorophenol -Chloronaphthalene Dimethyl phthalate icenaphthylene (5-Dinitrotoluene (5-Dinitrotoluene (5-Dinitrotoluene (4-Dinitrophenol (4-Dinitrophenol (4-Dinitrophenol (4-Dinitrotoluene (5-Dinitrotoluene (5-Dinitrotoluene (5-Dinitrotoluene (5-Dinitrotoluene (5-Dinitro-2-methylphenol (4-Dinitro-2-methylphenol		10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 155 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA 295 270 NA ¢ (1.005(pH)-4,830)	
-Chloro-3-methylphenol (p-chloro-m-cresol) ierachlorocyclopentadiene (A,6-Trichlorophenol -A,5-Trichlorophenol -Chloronaphthalene bimethyl phthalate caenaphthylene (A-Dmitrophenol -A-Dmitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrosodiphenyl-phenylether luorene (A-Dmitro-2-methylphenol -Nitrosodiphenyl-phenylether			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 155 5 5 100 NA 2,475 NA 990 85 635 2,335 1,590 4,000 NA NA NA NA 295 270 NA e (1.005(pH)-4,830) 5 NA
Chloro-3-methylphemol (p-chloro-m-cresol) ieraschlorocyclopentadiene [4,6-Trichlorophemol] [4,5-Trichlorophemol] [4,5-Trichlorophemol] [4,5-Trichlorophemol] [4,5-Trichlorophemol] [4,5-Trichlorophemol] [5-Dinitrotoluene] [6-Dinitrotoluene] [6-Dinitrotoluene] [6-Dinitrotoluene] [6-Dinitrotoluene] [6-Dinitrotoluene] [6-Dinitrotoluene] [6-Dinitrotoluene] [8-Dinitrotoluene] [8-Dinitrotoluene] [9-Dinitrotoluene]			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 135 3 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA NA NA NA NA NA NA NA NA
Chloro-3-methylphemol (p-chloro-m-cresol) iezschlorocyclopentadiene (4,6-Trichlorophemol (4,5-Trichlorophemol (4,5-Trichlorophemol (4,5-Trichlorophemol (4,5-Trichlorophemol (4,5-Trichlorophemol (4,5-Trichlorophemol (5,6-Dinitrotoluene (5,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Dinitrotoluene (4,6-Trichlorophemol			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 155 5 5 100 NA 2,475 NA 990 85 635 2,335 1,590 4,000 NA NA NA NA NA 0 100 NA NA NA NA NA NA NA NA NA NA NA NA NA
Chloro-3-methylphenol (p-chloro-m-cresol) iexachlorocyclopentadiene (4,6-Trichlorophenol (4,5-Trichlorophenol (4,5-Trichlorophenol (4,5-Trichlorophenol (4,5-Trichlorophenol (4,5-Trichlorophenol (5-Dinitrotoluene (5-Dinitrotoluene (5-Dinitrotoluene (4-Dinitrotoluene (4-Dinitrotoluene (5-Dinitrotolue			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 135 5 5 100 NA 2,475 NA 990 85 653 2,335 1,590 4,000 NA NA NA NA 295 2770 NA c (1.005(pH)-4,830) 3 NA 105 200
Chloro-3-methylphemol (p-chloro-m-cresol) iexachlorocyclopentadiene [4,4-7-Trichlorophemol -4,5-Trichlorophemol -4-Chloronaphthalene imethyl phthalate keenaphthylene [4,5-Dinitrotoluene keenaphthylene [4,5-Dinitrotoluene keenaphthene [4-Dinitrotoluene keenaphthene [4-Dinitrotoluene keenaphthene [4-Dinitrotoluene keenaphthylene [5-Dinitrotoluene keenaphthylene [6-Dinitrotoluene keenaphthylene [6-Dinitrotoluene keenaphthylene [6-Dinitrotoluene keenaphthylene [6-Dinitrotoluene keenaphthylene [6-Dinitrotoluene keenaphthylene [6-Dinitrotoluene keenaphthylene [6-Dinitrotoluene keenaphthylene [6-Dinitrotoluene keenaphthylene [6-Dinitrotoluene keenaphthylene keenap			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 135 5 5 100 NA 2,475 NA 9990 85 635 2,335 1,590 4,000 NA NA NA NA NA C(1.003(pH)-4,830) S NA 105 200 NA 140 NA
Chloro-3-methylphemol (p-chloro-m-cresol) iezechlorocyclopentadiene (A,6-Trichlorophemol (A,5			10U 10U 10U 10U 10U 10U 10U 10U 10U 10U		NA 135 5 5 100 NA 2,475 NA 990 85 655 2,335 1,590 4,000 NA NA NA NA NA 0,000 NA NA NA 105 200 NA 105

Sample ID: River Water Lab ID: RIVH2O	-		Method Detection		Acute Water Quality
Sampling Date: 4/30/95	-		Limit	Result	Criteria
	Date Extracted	Date Analyzed	ne/[. 100	ve/L	ne/L 100
Di-n-octy, phinalate Benzo(b) fluoranthene		 	100		NA NA
Benzo(k):woranthene			100		NA.
Benzo(a pyrene (BaP)		1	100		NA
Indeno(1,2,3-cd)pyrene			100		NA NA
Dibenzi a .: ranthracene		 	100		NA NA
Benzo(s.h.i)perylene			10U 100U		17,100
N-nitrosodimethylamine Benzidine			1000		293
1,2-Diphenyl-p-hydrazine		i	100U		15
Benzyl Alcohol			10U		NA .
		ļ			
PESTICIDES/PCBS (SW846 8080)					ł
Holding time: 7 days to extract, 40 days to analyze	05/03/95	05/12/95			Ì
slphs-BHC			0.05Ü		NA_
beta-BHC			0.05U		NA
delta-BHC			0.05U		NA NA
gamma-BHC (Lindane)			0.05U 0.05U		0.26
Heptachlor Aldrin			0.030		1.5
Heptachlor Epoxide			0.030		6.3
Endosulian I			0.03U		0.11
Dieldrin			0,10U		1.25
4,4'-DDE	<u> </u>	ļ	0.10U 0.09U		0.55
Endrin		 	0.09U 0.10U		0.09
Endosulian II 4,4'-DDD (p,p'-TDE)		 	0.100		0.53
Endosulisa Sulfate			0.10U		0.11
4,4'-DDT			0.10U		0.55
Methoxychlor		ļ	0.30U 0.10U		NA NA
Endrin Ketone			0.100		NA NA
Endrin Aldebyde alpha-Chlordane	- 		0.03U		1.2
ramma-Chlordane			0.03U		1.2
Mirex			0.10U		NA NA
Тохврые			1.00U		0.37
Aroclor-1016			0.03U 0.03U		2 2
Aroclor-1221			0.05U		2
Aroclor-1232 Aroclor-1242			0.05U		2
Aroclor-1248			0.05U		2
Aroclor-1254			0.05U		2
Aroclor-1260			0.05U		2
		ļ			
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):]			
Bolding time: 7 days to extract, 40 days to analyze	05/03/95	05/20/95			
Parathioz		[1.00		0.065
Chloreymios			1.00		0.083
ALCOHOLS/ALDEHYDES (SW846 Modified 8015):	1	1			
Holding time: None		05/10/95			
Formaldehyde			5000U		2180
1-Propanol			5000U		227,750
2-Propanol			5000U		443,165
		06/10/20			
INORGANICS - TOTAL METALS (SYY846 6000/7000):	05/18/95	05/19/95			
Holding time: 6 mo. (28 days Hg)	all except Hg	all except Hg		107	5/X
Aluminum			43.80	196 B	750 88
Antimory			3.6U 1.6U	2.0 B	360
Arsenic Barium			7.90	26.3 B	20,500
Beryllium			0.20U		NA.
Boros			34.9U	52.4 B	8050
Cadmium	_		0.30U		1.79 984,32
Chromium III		 	1U 2.1U		984.32
Cobalt Copper			0.90	3.9 3	9.22
Lead			2.1U		33.78
Mercury	05/24/95	05/31/95	0.20U		2.4
Nickel			3.8U 2.1U		789.01 20
Selenium Silver			0.60U	0.60 UN	0.92
Thallium	<u> </u>		3.4U	2.55 511	65
Vanadium			1.20	2.9 B	515
Zinc			2.10		65.04
INORGANICS - OTHER (Results in mg/L):	1			l	
Chloride		05/22/95	10	21	86,000
Chromium VI		05/01/95 05/09/95	10U 0.01U		NA 22
			V.V.U		
Cyanide Total Residual Chlorine		05/01/95	0.1U	0.3	19

Definitions:

NA - Not Available

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to instrument DL (inorganics)

• Duplicate analysis not within control limits

DL - Detection limit

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Sample ID: Rinse Blank	T	[T
Sampling Date: 5/4/95			Method Detection Limit	Result
	Date Extracted	Date Analyzed	ng/kg	ug/L
YOLATILE ORGANICS (SW846 8240): Holding time: 14 days		05/16/95		
Actione Acrolein			70U	29
Acrylonitrile			:000	
Bromodichloromethane			100	
Bromoform Bromomethane			100	
2-Butanone (MEK)			100	
Carbon Tetrachloride 2-Chloroethylvinylether			10U	
Chloroethane	 		100	
Chloroform Chloromethane			10U	
1,2-Dichloropropane			100	
1,1-Dichloroethane			10U	
1,1-Dichloroethene Dibromochloromethene		· · · · · · · · · · · · · · · · · · ·	100	
1.2-trans Dichloroethylene			10U 10U	
1,2-cis Dichloroethene cis-1,3-Dichloropropene			100	
trans-1,3-Dichloropropens Ethylbenzens			10U	
2-Hexanone 4-Methyl-2-Pentanone (MIBK)			100	
Methylene Chloride	<u> </u>		10U	2 JB
Styrene Tetrachloroethylene			10U 10U	
1, 1, 2, 2-Tetrachloroethane			100	
1,1,1-Trichloroethane			10U 10U	
1,1,2-Trichloroethane Trichloroethane (TCB)			100	
Vinyl Chloride Xylenes (Total)			10U	
1,1,1,2-Tetrachloroethane			100	
	 			
SEMIVOLATILE ORGANICS (SW846 8270):				
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/25/95	10U	
Phenol bis(2-chloroethyl)ether			10U	
2-Chlorophenol 1,3-Dichlorobenzene			100	
1,4-Dichlorobenzene			10U 10U	
1,2-Dichlorobenzene 2-Methylphenol			100	
bis(2-chloroisopropyl)ether 4-Methylphenol			10U 10U	
N-Nitroso-di-n-propylamine Hexachloroethane			10U 10U	
Nitrobenzene			10U	
Isophorone 2-Nitrophenol			100	***************************************
2,4-Dimethylphenol 2,4-Dichlorophenol	 		100	
1,2,4-Trichlorobenzene Naphthalene			100	
4-Chlorosniline			100	
Hexachlorobutadiene bis(2-Chloroethoxy)methane			10U 10U	
4-Chloro-3-methylphenol (p-chloro-m-cresol) Hexachlorocyclopentadiene			10U 10U	
2,4,6-Trichlorophenol			10U 30U	
2,4,5-Trichlorophenol 2-Chloronaphthalene	<u>-</u>		10U	
Dimethyl phthalato Acenaphthylene			10U 10U	
2,6-Dinitrotoluene			10U 10U	
Acensphthens 2,4-Dinitrophenol			30U	
4-Nitrophenol 2,4-Dinitrotoluene	<u> </u>		50U 10U	
Diethylphthalate 4-Chlorophenyl-phenylether			10U 10U	
Fluoreno			100	
4,6-Dinitro-2-methylphenol N-Nitrosodiphenylamine			30U 10U	
4-Bromophenyl-phenylether Hexsehlorobenzene			10U	
Pentachlorophenol			30U	
Phenanthrene Anthraceno			10U 10U	
Di-n-butylphthalate Fluoranthene			10U 10U	
· vrene			100	
Butylbenzylphthalate 1,3'-Dichlorobenzidine			10U 20U	
Benzo(8)anthracene			10	
Chrysene Bis(2-Ethylhexyl)phthalate			10U 10U	
Di-n-octylphthalate Benzo(b)fluoranthene			100	
Senzo(k)Nuoranthene			100	
Senzo(a)pyrene (BaP) ndeno(1,2,3-cd)pyrene			10U 10U	

.

;

Sample ID: Rinse Blank Sampling Date: 5/4/95	Date Extracted	Date Applement	Method Detection Limit ug/kg	Result ug/L
Dibenz(a,h)anthracene	Date Bau acted	D III MAAAAA	10U	
Benzo(g,h,i)perylene N-nitrosodimethylamine			10U	
N-nitrosodimethylamine	 		100U 100U	
Benzidine 1,2-Diphenylhydrazine		 	1000	
Benzyl Alcohol			10U	
PESTICIDES/PCBS (SW846 8080);	1			
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/14/95		
alpha-BHC			0.05U	
beta-BHC delta-BHC			0.03U 0.03U	
gamme-BHC (Lindene)			0.03U	
Heptachlor			0.03U	
Aldrin			0.03U	
Heptachlor Epoxide			0.05U 0.05U	
Endosulfan Dieldrin	 		0.100	
4,4'-DDE	T	l_ <u></u>	0.10U	
Endrin			0.09U	
Endosulfan II		 	0.10U 0.10U	
4,4'-DDD (p,p'-TDE) Endosulfan Sulfate	+		0.100	
4,4'-DDT			0.10U	
Methoxychlor			0.500	
Endrin Ketone Endrin Aldebyde	 		0,10U 0,10U	
alpha-Chlordane			0.03U	
gamma-Chlordane			0.03U	
Mirex			0.100	<u> </u>
Toxephene Aroclor-1016			1.00U 0.50U	
Aroclor-1016			0.30U	· · · · · · · · · · · · · · · · · · ·
Aroclor-1232	1		0.50U	
Aroclor-1242			0.50U	
Aroclor-1248			0.50U 0.50U	
Aroclor-1254 Aroclor-1260			0.500	
7.00.07-12.00	 		7,7,7	
ORGANOPHOSPHORUS COMPOUNDS (SW846 8140):				
Holding time: 14 days to extract, 40 days to analyze	05/08/95	05/20/95		
Chloropyrifos	03/08/23	03/10/75	1.0U	
Parathion			1.0U	
ALCOHOLS/ALDEHYDES (SW846 Moduled 8015):	j			
Rolding time: None		05/18/95		
Formaldehyde			5000U 5000U	
1-Propanol 2-Propanol	ļ		3000U	 -
2-11004001			3000	
INORGANICS - TOTAL METALS (SW846 6000/7000);	· · · · · · · · · · · · · · · · · · ·			
Holding time: 6 months (Hg 14 days)	1	' <u> </u>		
Antimony	 		3.60	3.6 UN
Arsenic			1.60	
Barium			7.90	
Beryllium	 		0.20U 0.30U	···
Cadmium Chromium	 		130	1.3 UN
Conner			0.90U	0.90 000
Lead			2.1U	
Mercury			100U	
Nickol Selenium			3.8U 2.1U	
Silver	 		0.60U	0.60 UN
Trallium			3.4U	
Vansdium			1.20	
Zinc	 		6.40	
Nong Lange Office County is made	 			
INORGANICS - OTHER (Results in mg/L): Total Organic Carbon (LOI)		- 1	NR	
Chloride			10	
Hexavalent Chromium			0.01U	
Cyanide			0.010	
Total Residual Chlorine	 		0.10	

Definitions:

NR - Not Required

ug/L - micrograms per Liter, parts per billion

mg/L - milligrams per Liter, parts per million

U - Undetected

J - Estimated value

B - Detected in laboratory blank (organics), Reported value less than Contract Required DL

but greater than or equal to Instrument DL (inorganics)

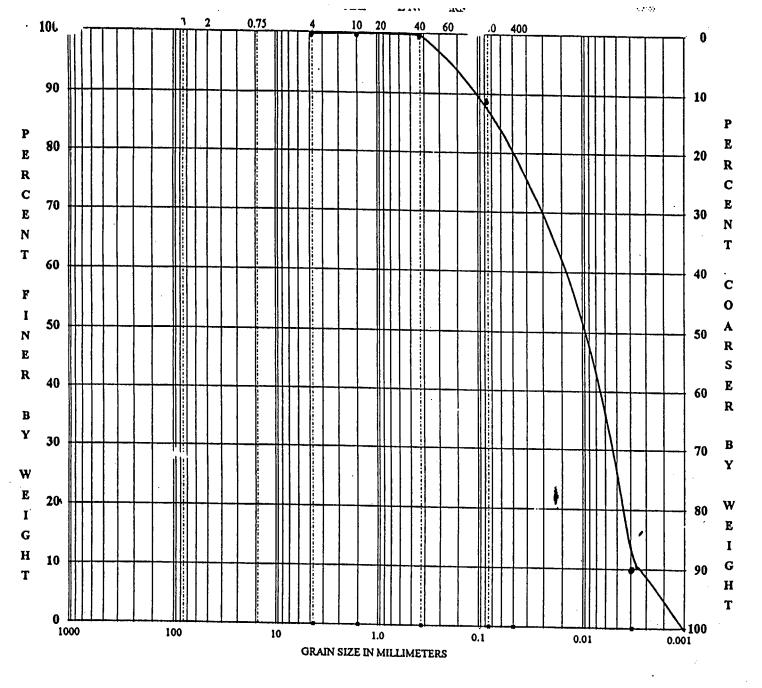
• - Duplicate analysis not within control limits

DL - Detection limit

N - Spiked sample recovery not within control limits

Blank spaces represent non-detected compounds.

Appendix E Bulk Sediment Grain Size Curves



GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: BAV Sample ID: CRCZCO

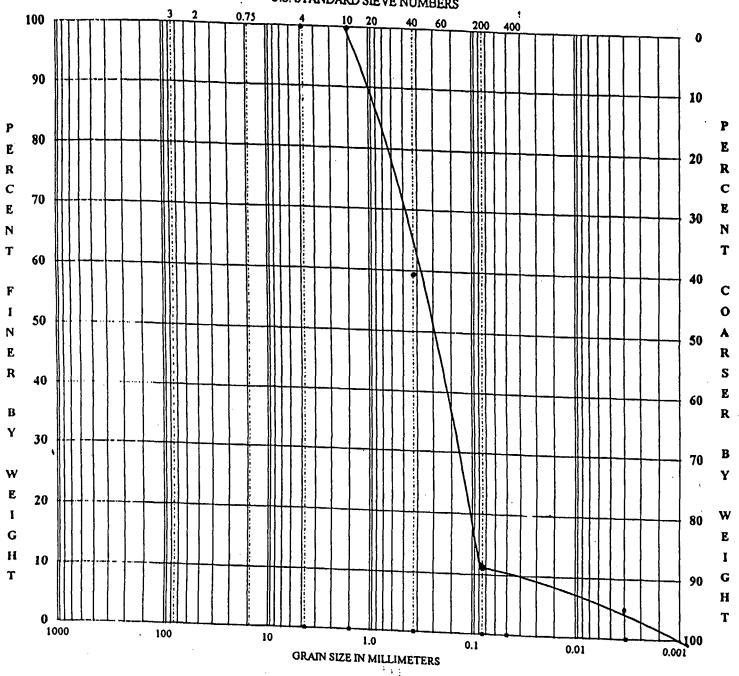
Client ID: 2376201.

Date of Analysis:

ı

ì

RESULTS OF GRAIN SIZE TES GUS. STANDARD SIEVE NUMBERS



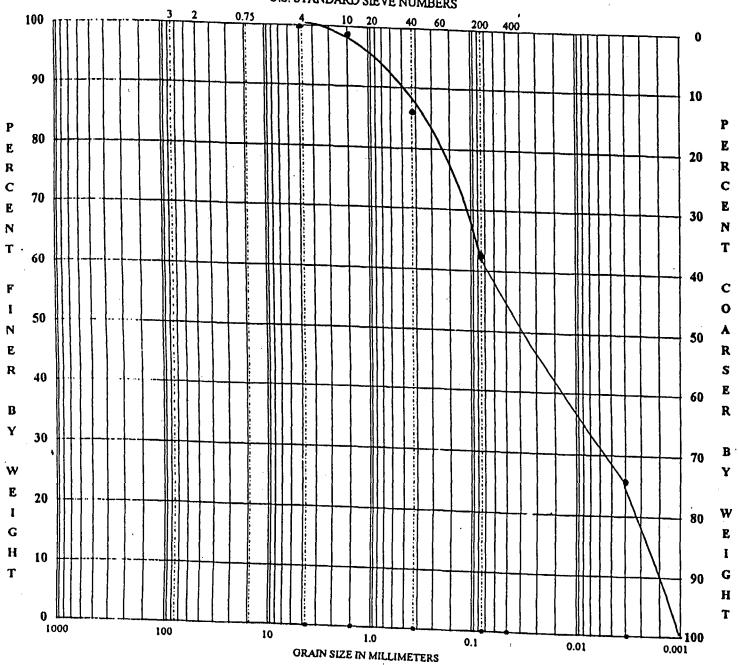
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: BR

Sample ID: CRC 2C4
Client ID: 23 76202

Date of Analysis:

RESULTS OF GRAIN SIZE TES ...G U.S. STANDARD SIEVE NUMBERS



GRAIN SIZE ANALYSIS BY METHOD D422-63

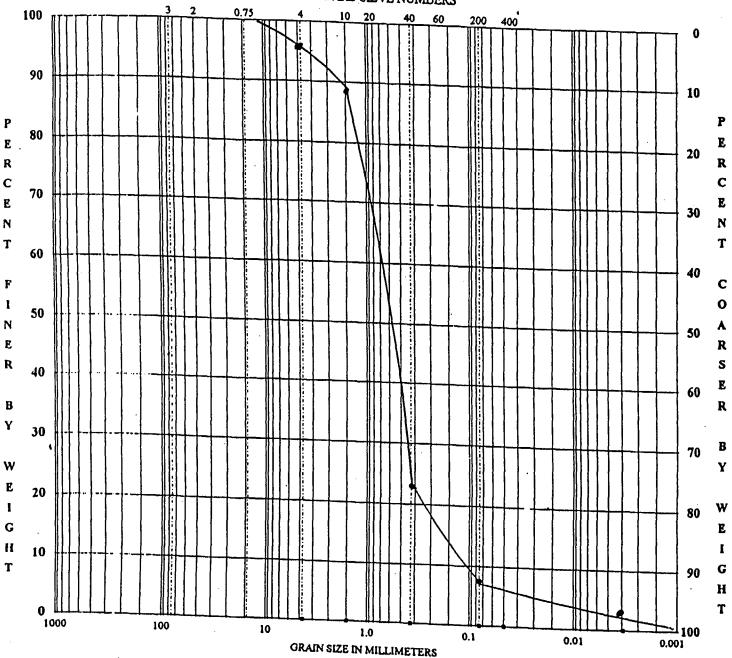
Client Name: DV

Sample ID: Z 376203
Client ID CRCZC7

Date of Analysis:

 $\{ (x,y) \in \mathcal{X}_{p} : p \in \mathcal{X}_{p} \}$

KESUL IS OF GRAIN SIZE TES GUS. STANDARD SIEVE NUMBERS



GRAIN SIZE ANALYSIS BY METHOD D422-63

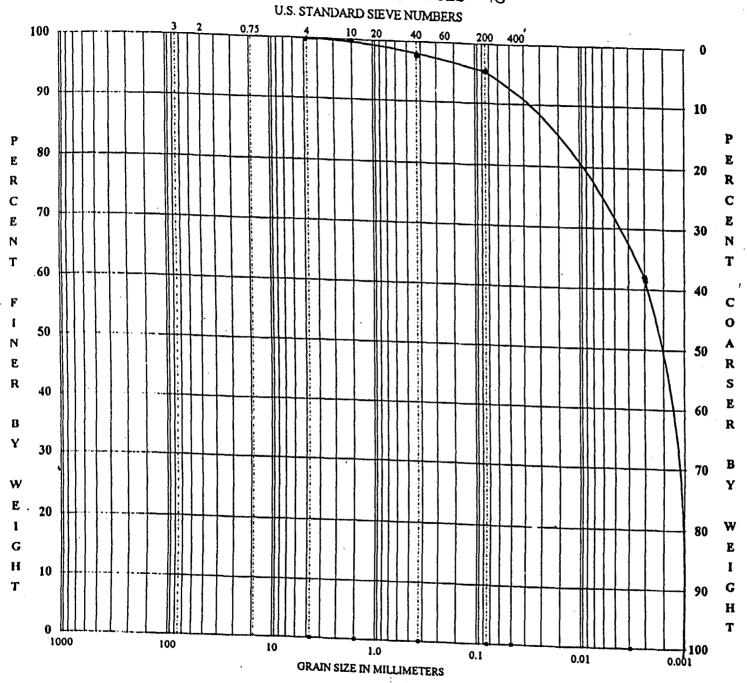
Client Name: B&

Sample ID: 2376205

Client ID: 1357103

Date of Analysis:

RESULTS OF GRAIN SIZE TES

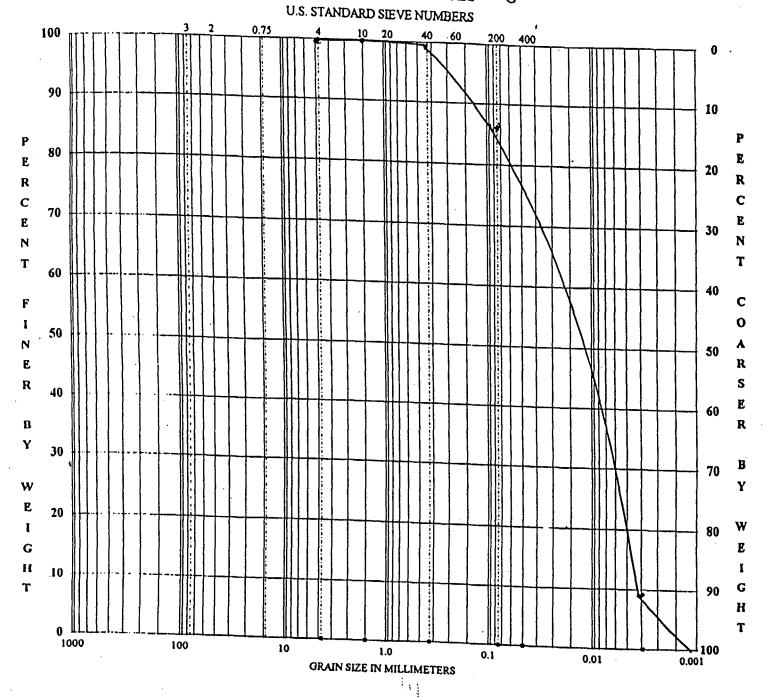


GRAIN SIZE ANALYSIS BY **METHOD D422-63**

Client Name: P. V. Sample ID: 2376206 Client ID: 13871C5

Date of Analysis:

100



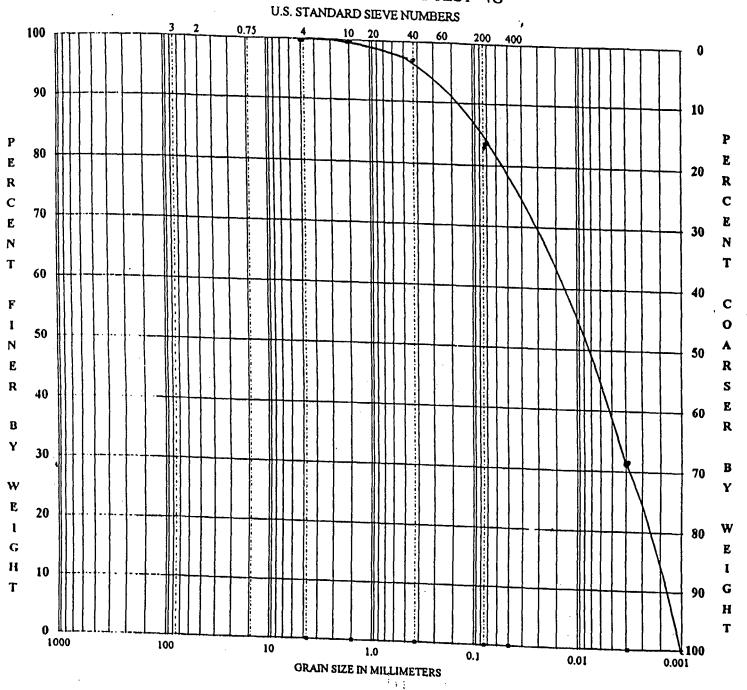
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: B

Sample ID: 2376207 Client ID: PAT4CO

Date of Analysis:

RESULTS OF GRAIN SIZE TES. .G



GRAIN SIZE ANALYSIS BY METHOD D422-63

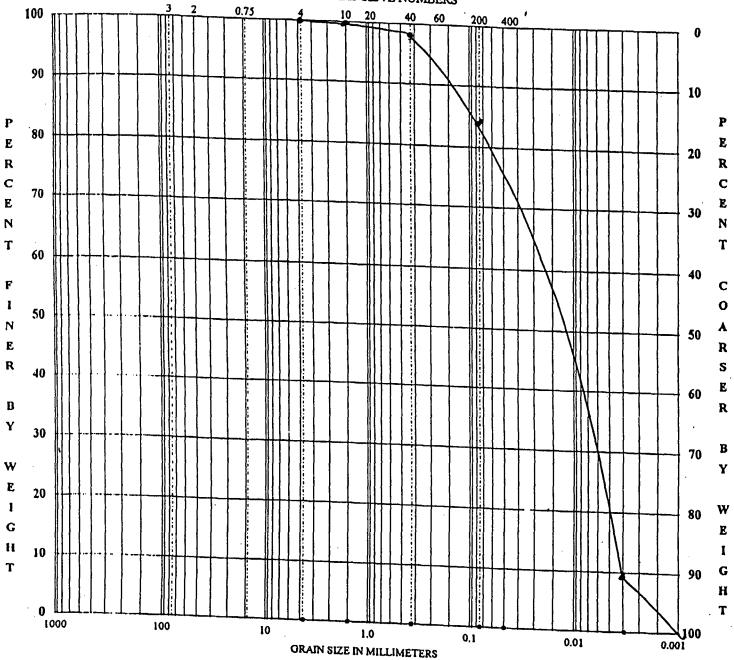
Client Name:

Sample ID: 2376208
Client ID: PAT 4C5

Date of Analysis:

 $\mathbb{D}^{n}(X)$

***KESULTS OF GRAIN SIZE TES: 3 U.S. STANDARD SIEVE NUMBERS



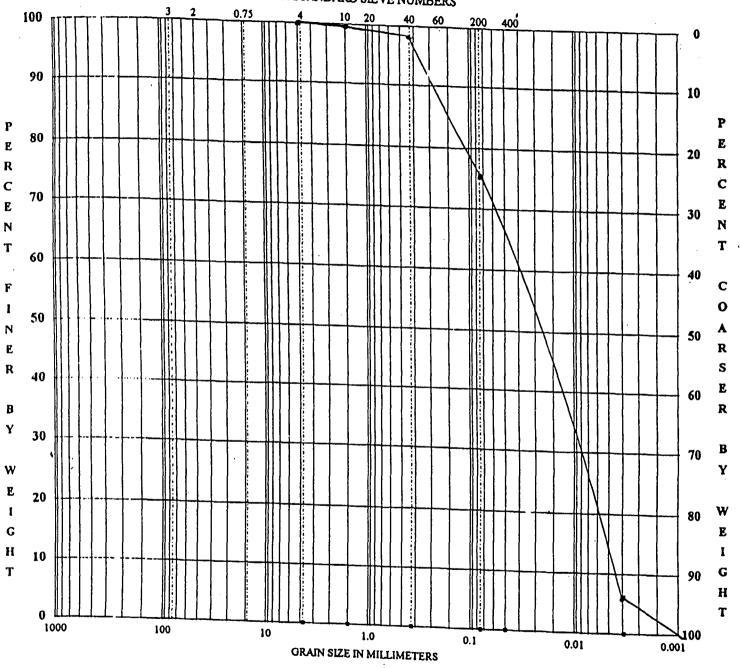
GRAIN SIZE ANALYSIS BY **METHOD D422-63**

Client Name: BPU Sample ID: 2377901 Client ID: PAT3C O

 $\nabla^{2}\nabla \nabla^{2}$

Date of Analysis:

RESULTS UP GRAIN SIZE TES IG U.S. STANDARD SIEVE NUMBERS



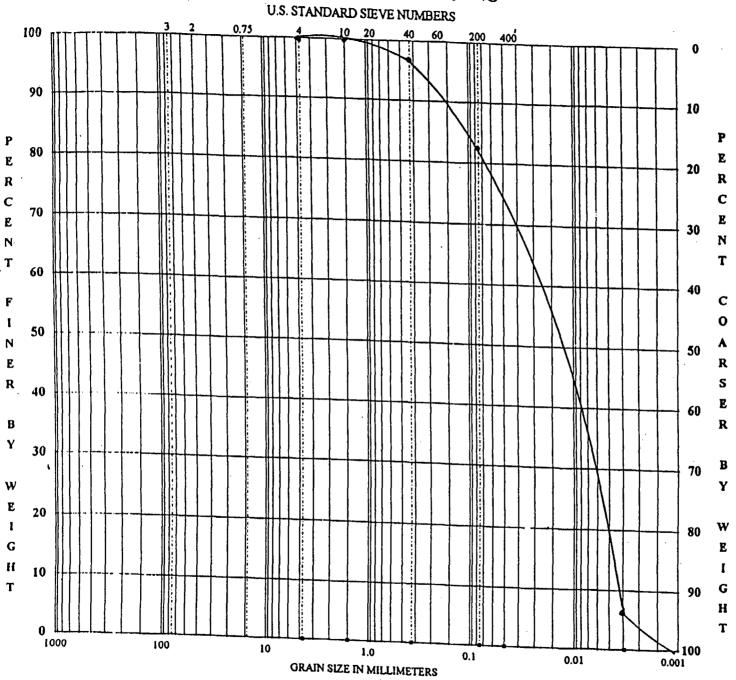
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 . V

Sample ID: PAT3 CO DUA Client ID: 2377902

Date of Analysis:

...

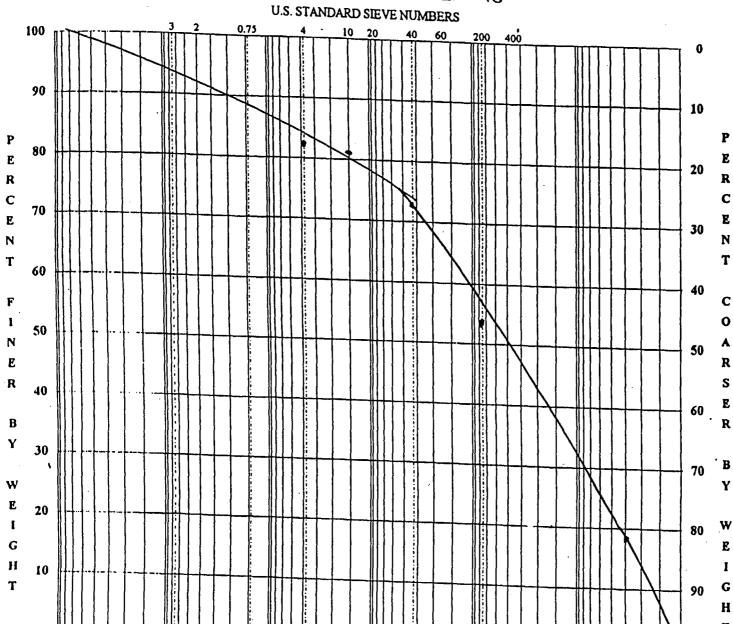


GRAIN SIZE ANALYSIS BY **METHOD D422-63**

Client Name: B, C Sample ID: 2377903 Client ID: PAT3COTRIA

Date of Analysis:

. . .



1.0

GRAIN SIZE IN MILLIMETERS

0.01

0.001

1000

100

10

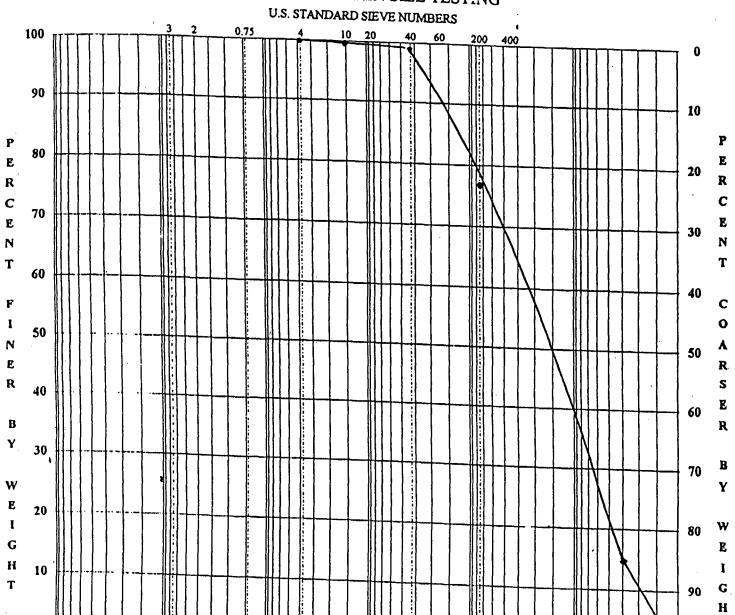
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name:

BV

Sample ID: PAT3C8
Client ID: 2377905

RESULTS OF GRAIN SIZE TES ANG



1.0

GRAIN SIZE IN MILLIMETERS

1000

100

10

GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name:

10 m

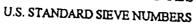
0.01

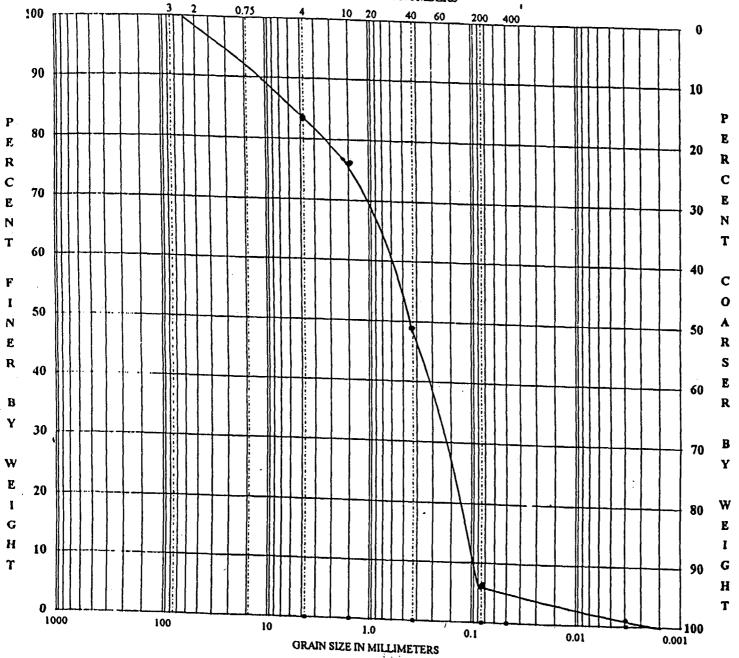
BVI

1.0

Sample ID: 2377906 Client ID: PATZCO

RESULTS OF GRAIN SIZE TES...NG





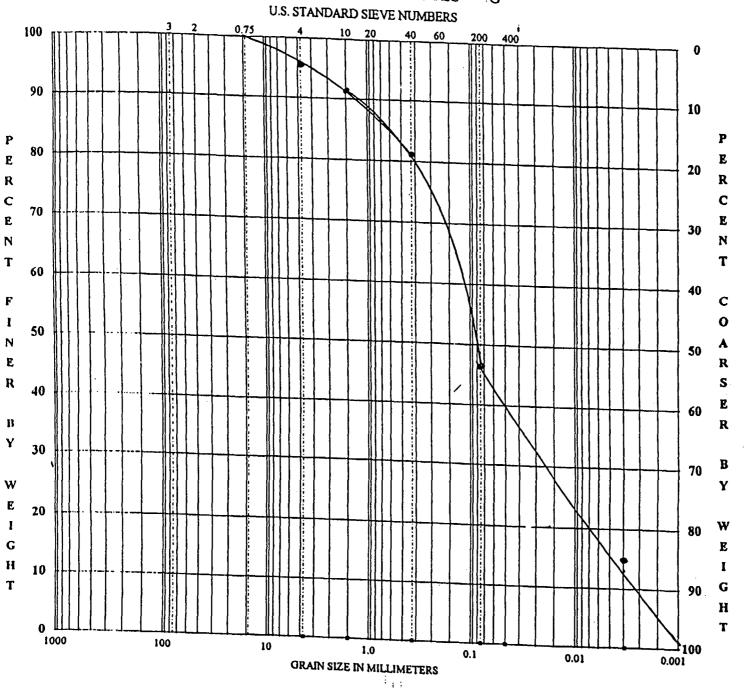
GRAIN SIZE ANALYSIS BY **METHOD D422-63**

Client Name: B.V
Sample ID: PAT2C6

Date of Analysis:

×. ×

RESULTS OF GRAIN SIZE TES G

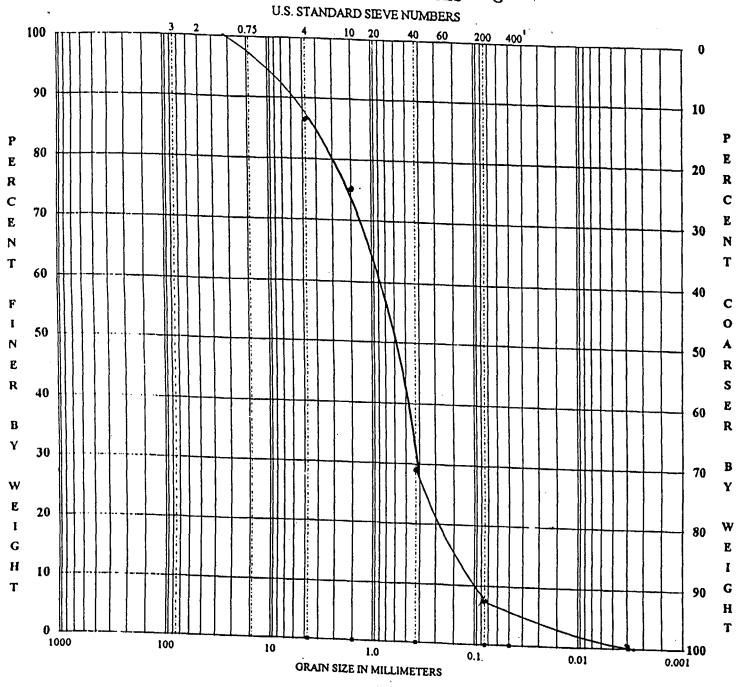


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: B,V

Sample ID: 2377910

Client ID: PATICO



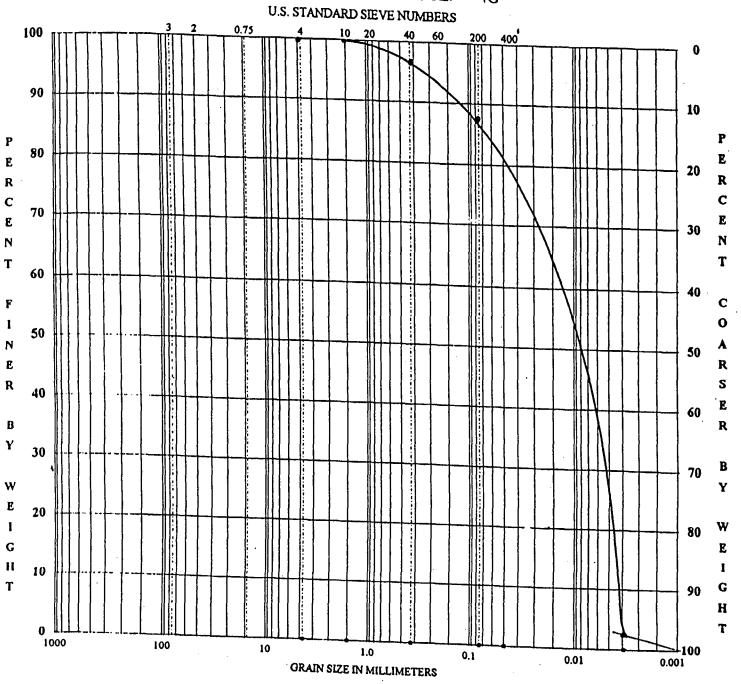
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 1

Sample ID: 2377911

Client ID: PATIC 2

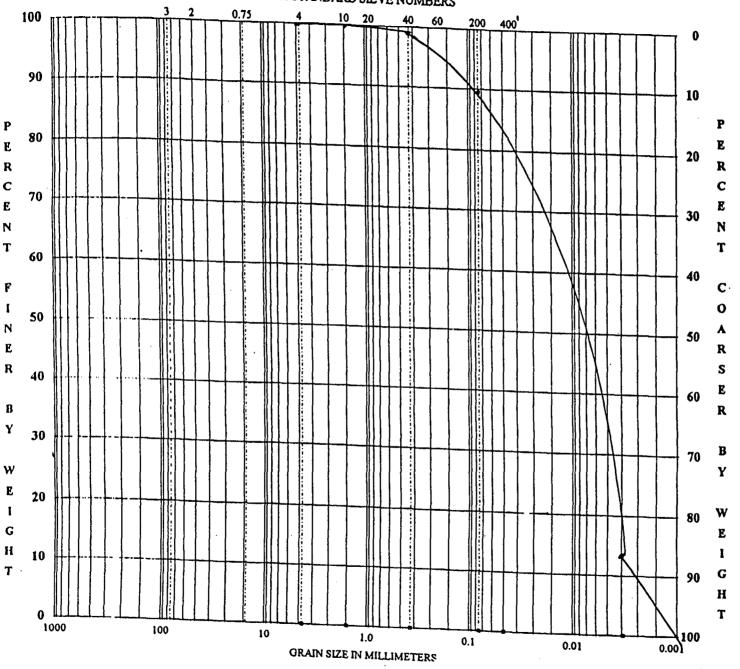
RESULTS OF GRAIN SIZE TES



GRAIN SIZE ANALYSIS BY **METHOD D422-63**

Client Name: BV Sample ID: 2377912 Client ID: CRC160

RESULTS OF GRAIN SIZE TES (G U.S. STANDARD SIEVE NUMBERS

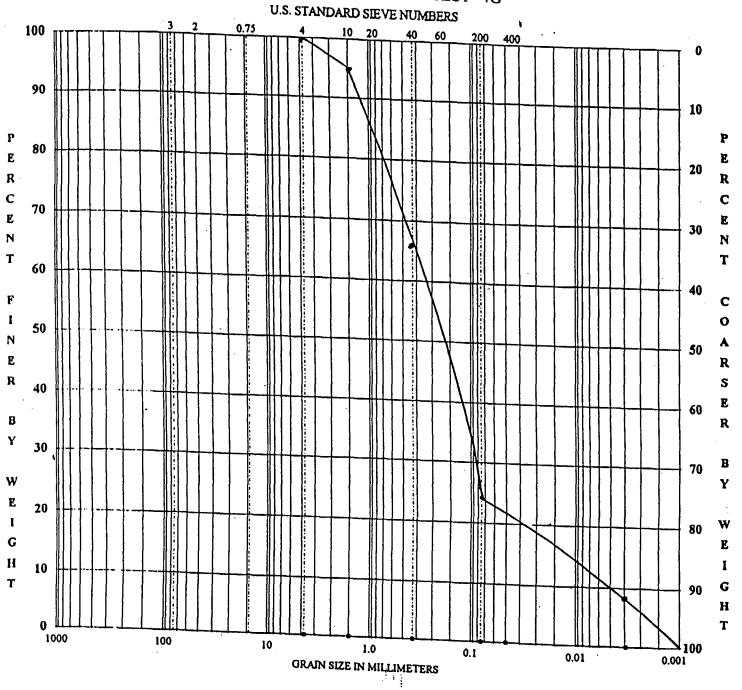


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 1 V
Sample ID: 2377913

Client ID: CRC 163

RESULTS OF GRAIN SIZE TES. .G

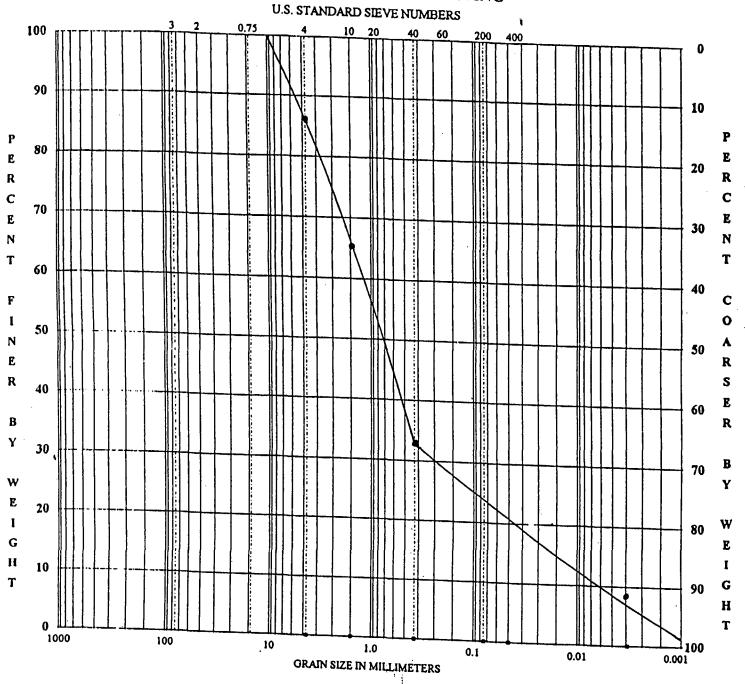


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 -

Sample ID: 2379003 Client ID: 5M2 C 01

RESULTS OF GRAIN SIZE TESAING

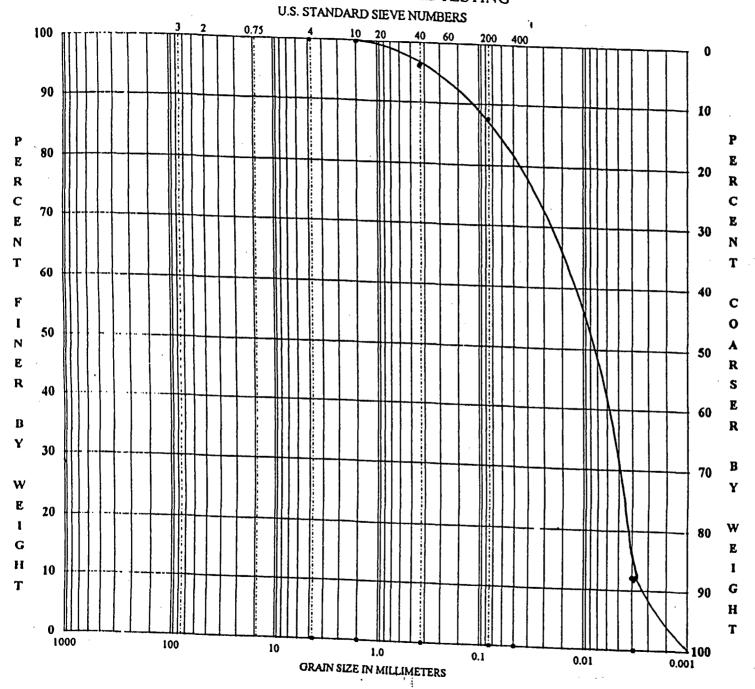


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: B & V

Sample ID: 23790-04 Client ID: 542602

RESULTS OF GRAIN SIZE TESTING

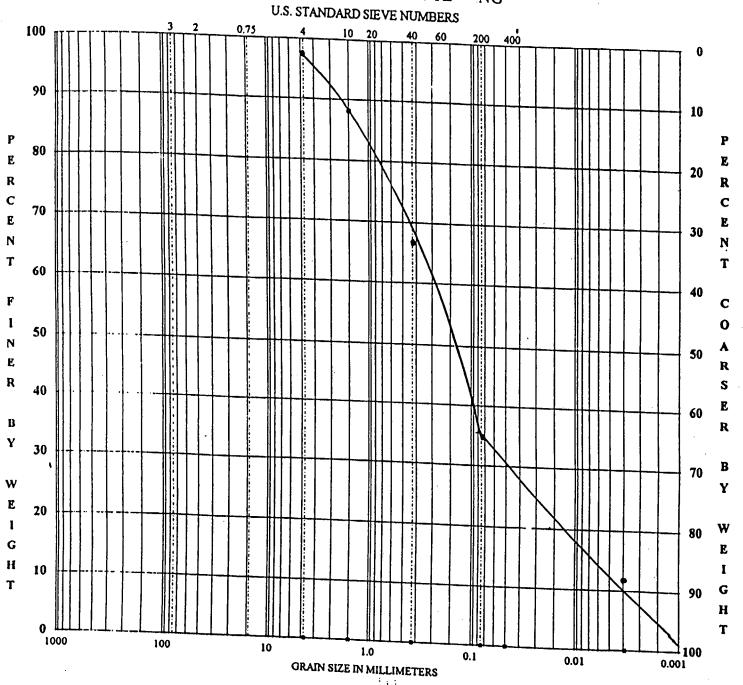


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: B-V

Sample ID: 2379005
Client ID: 3P01C0

RESULTS OF GRAIN SIZE TE NG

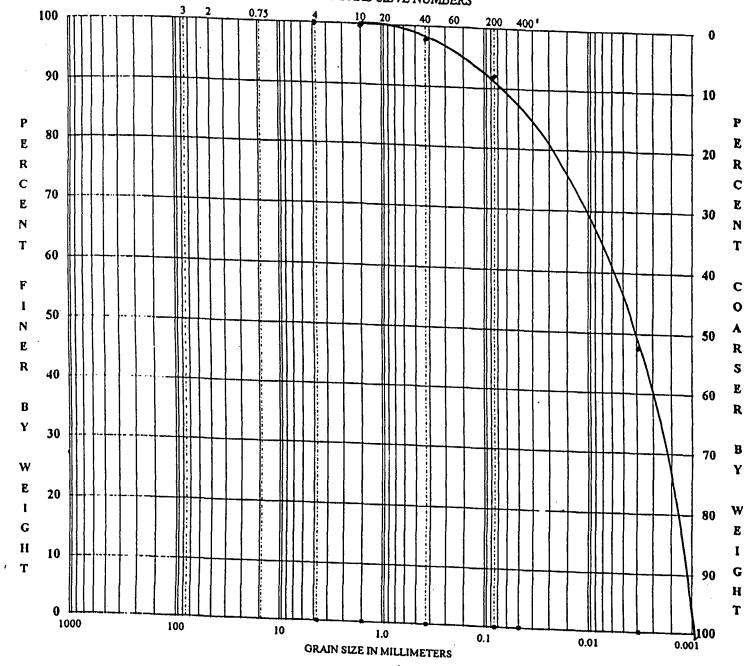


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: Bak Sample ID: 2379006

Client ID: 13 POIC 6

RESULTS OF GRAIN SIZE TES GUS. STANDARD SIEVE NUMBERS



GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 134 V

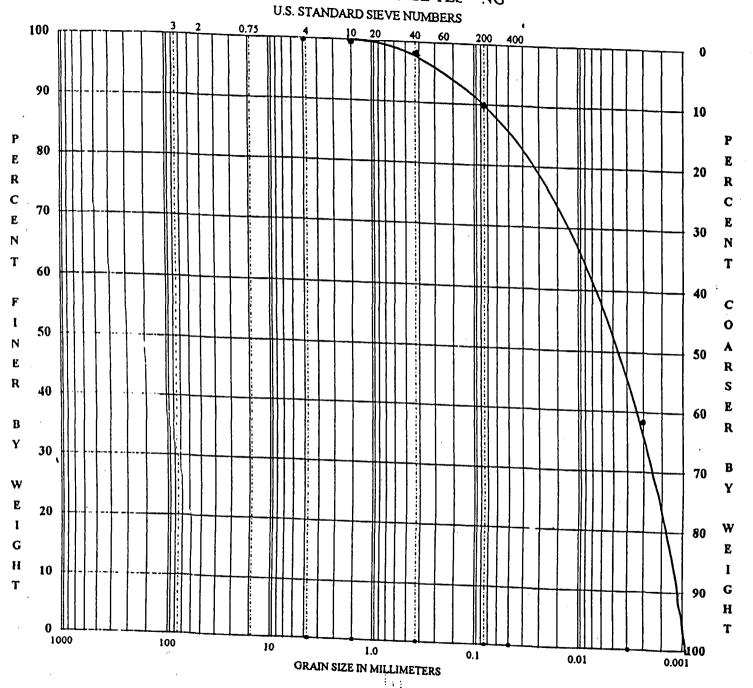
Sample ID: 2379007

.Client ID: BPOZCO

Date of Analysis:

 $\mathcal{M}_{\mathcal{M}}$

RESULTS OF GRAIN SIZE TEL ... NG

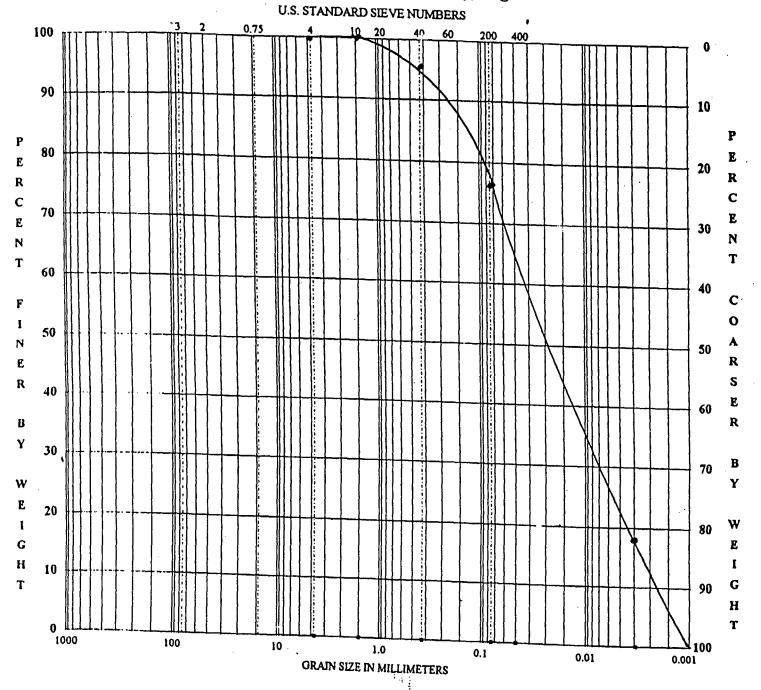


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 1 V
Sample ID: 2379008

Client ID: BP0264

RESULTS OF GRAIN SIZE TEST G

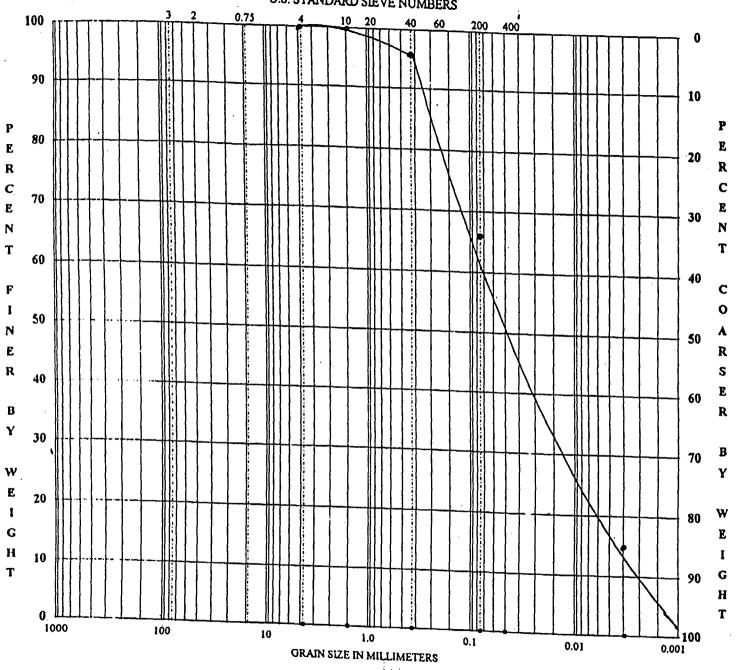


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 & V

Sample ID: 2379009 Client ID: 5 + 1100

RESULTS OF GRAIN SIZE TES GUS. STANDARD SIEVE NUMBERS



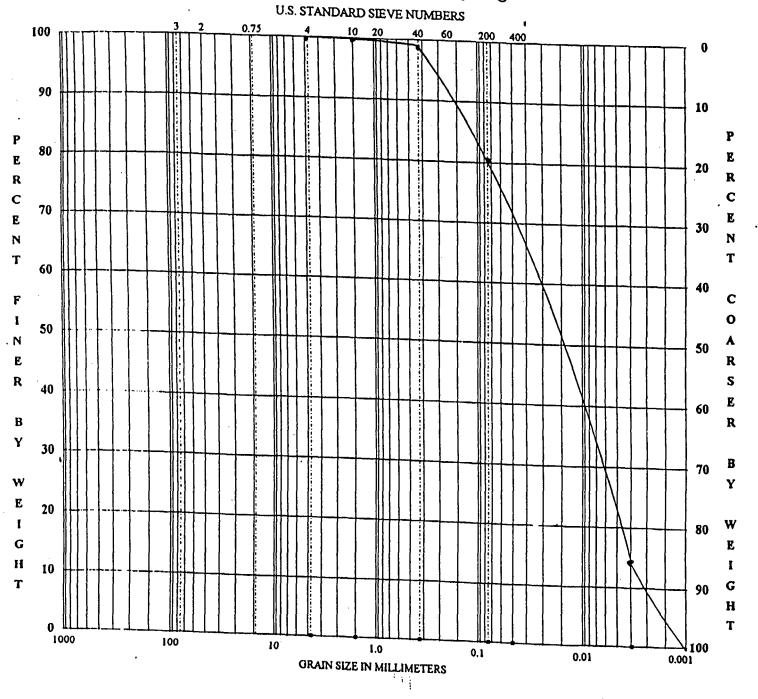
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 - L

Sample ID: 2379010

Client ID: 51-11 6

RESULTS OF GRAIN SIZE TESTING



GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 4 U

Sample ID: 2379011

Client ID: Still CO

RESULTS OF GRAIN SIZE TEST ; U.S. STANDARD SIEVE NUMBERS 0.75 100 200 400 90 10 80 20 R C C 70 30 N T 60 40 50 50 E R 40 60 B 30 70 W 20 80 G Ħ 10 90

1.0

GRAIN SIZE IN MILLIMETERS

0.1

0.01

0.001

100

10

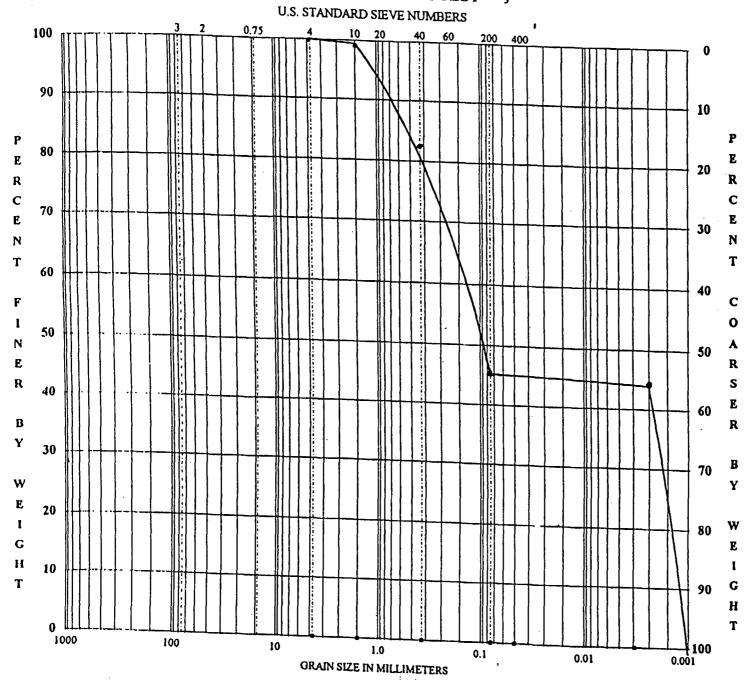
GRAIN SIZE ANALYSIS BY **METHOD D422-63**

Client Name: 13 4 V

Sample ID: 2379012

Client ID: SHIZC 3

RESULTS OF GRAIN SIZE TEST

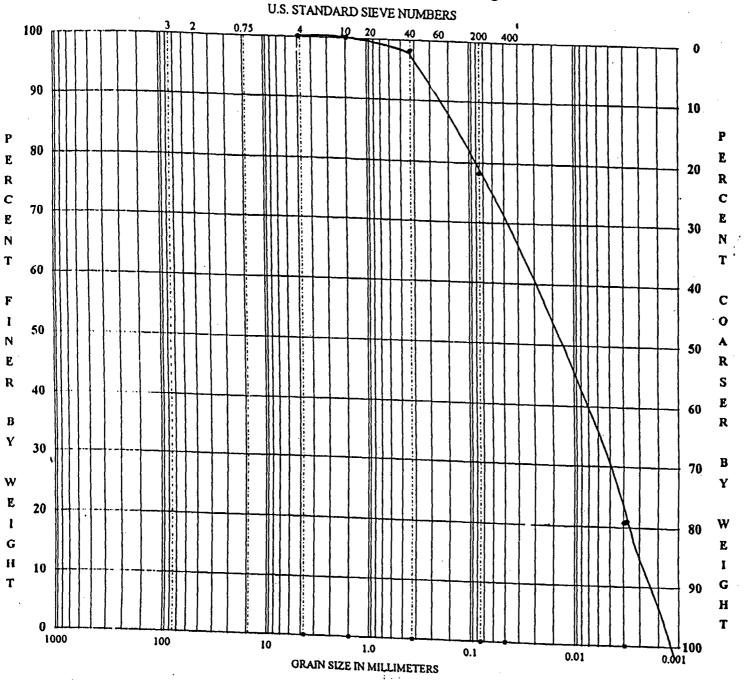


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: B < V
Sample ID: 2379013

Client ID: 5 FM1 CO

RESULTS OF GRAIN SIZE TES G



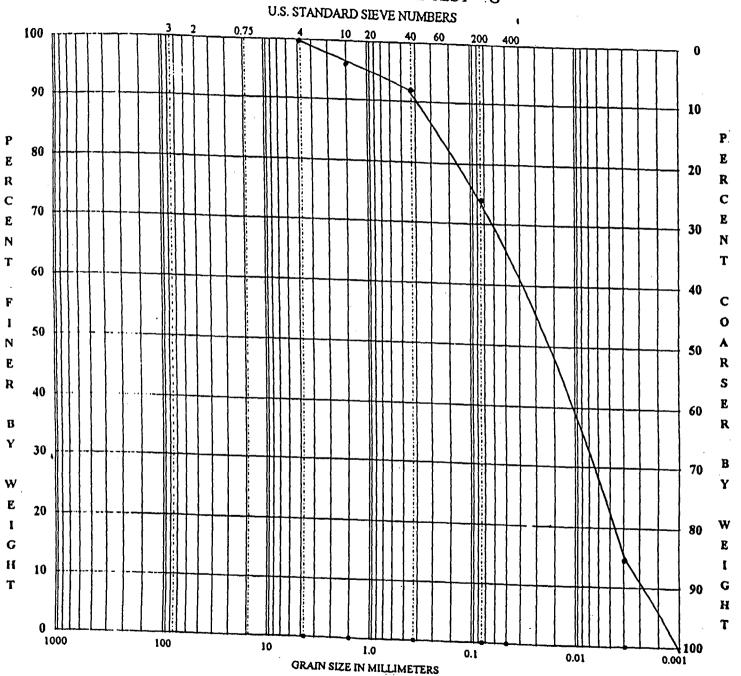
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 1

Sample ID: 2379014

Client ID: SFMICI

RESULTS OF GRAIN SIZE TES', G



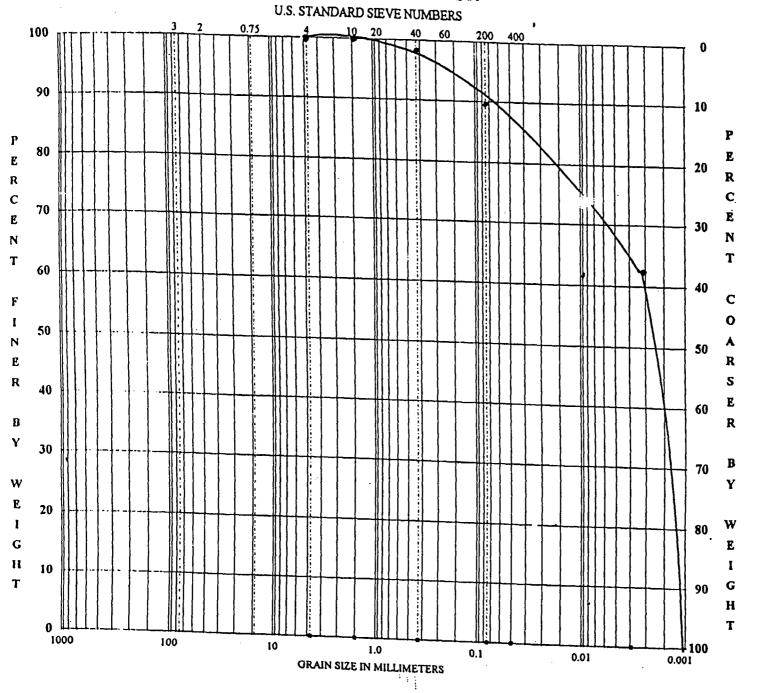
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name :

Sample ID: 2379015

Client ID: SFM1 C 3

RESULTS OF GRAIN SIZE TEST!

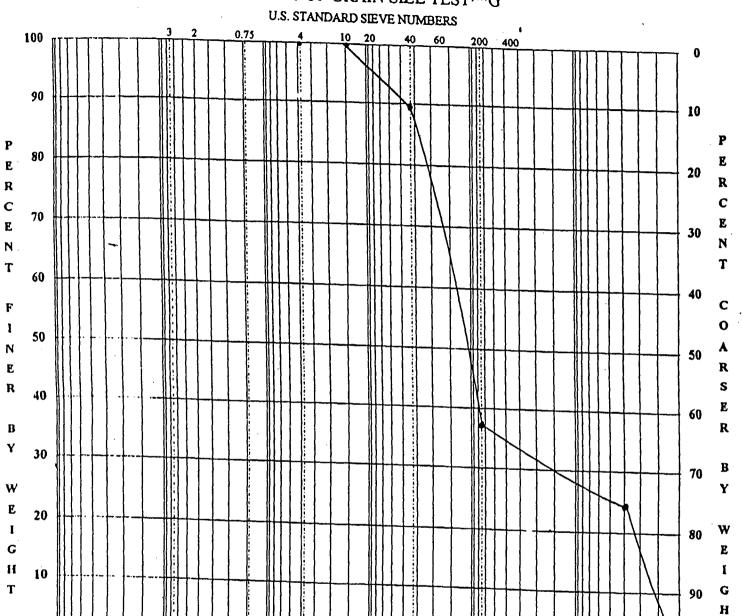


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13 r

Sample ID: 2379016 Client ID: 5 FM 1C6

RESULTS OF GRAIN SIZE TESTING



1.0

GRAIN SIZE IN MILLIMETERS

0.1

0.01

1000

100

GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name:

BIL

Sample ID:

2379017

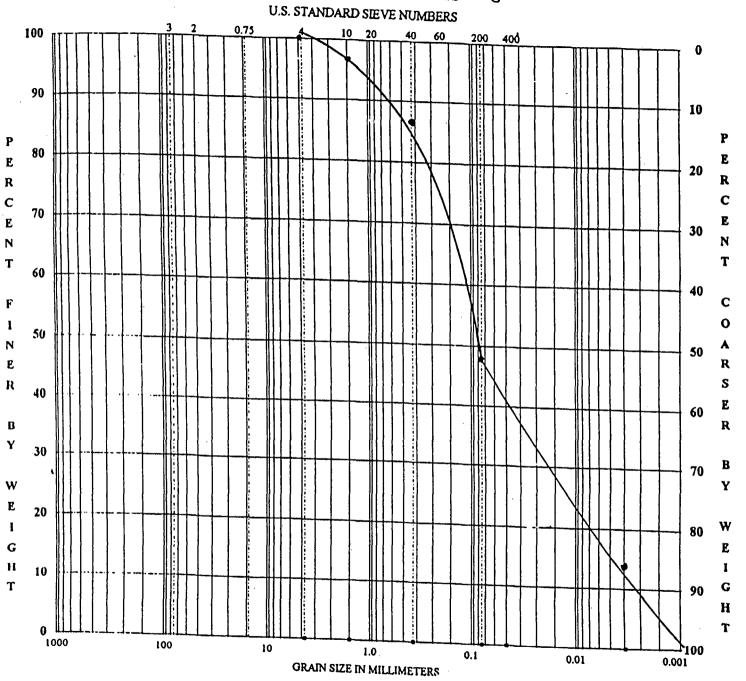
Client ID: SFH2CO

Date of Analysis:

100

0.001

RESULTS OF GRAIN SIZE TEST



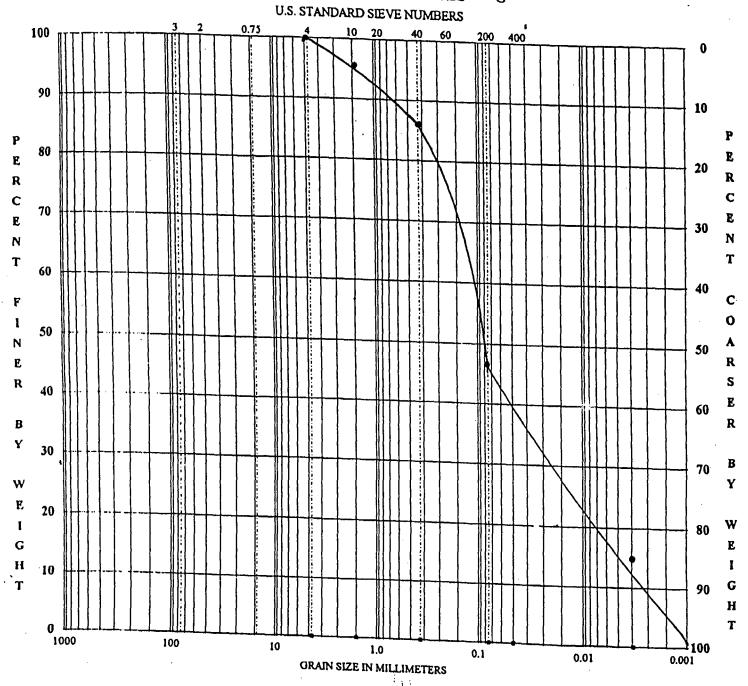
GPAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: 13. V
Sample ID: 2379018

Client ID: SFHZCODUP

RESULTS OF GRAIN SIZE TEST

G



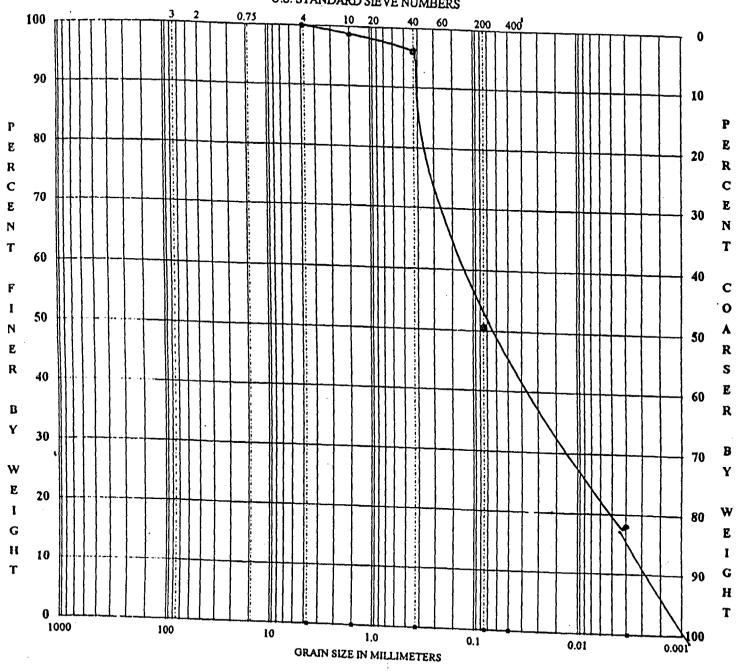
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: BEV

Sample ID: 23790 19

Client ID: SFH2COTRIP

RESULTS OF GRAIN SIZE TES" G U.S. STANDARD SIEVE NUMBERS



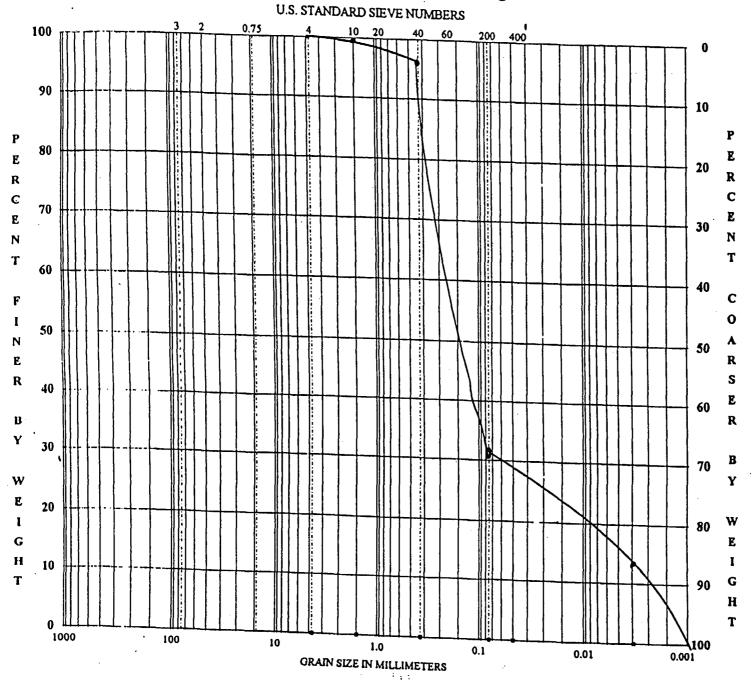
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name :

Sample ID: 2379020

Client ID: SFH2 C 5

RESULTS OF GRAIN SIZE TES. G



GRAIN SIZE ANALYSIS BY METHOD D422-63

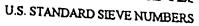
W.

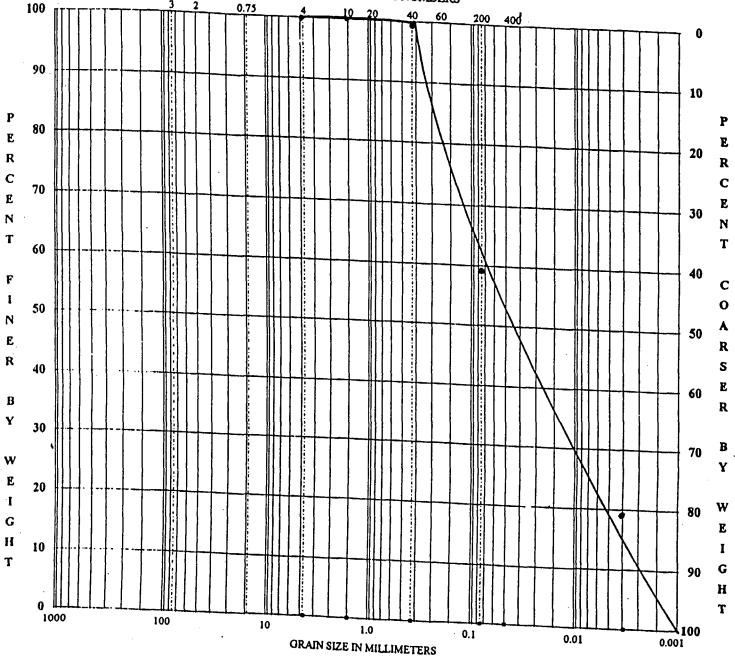
Client Name: R. U

Sample ID: 237902 1

Client ID: BSTZCO

TITLE OF OKAMA SIZE TES "NG





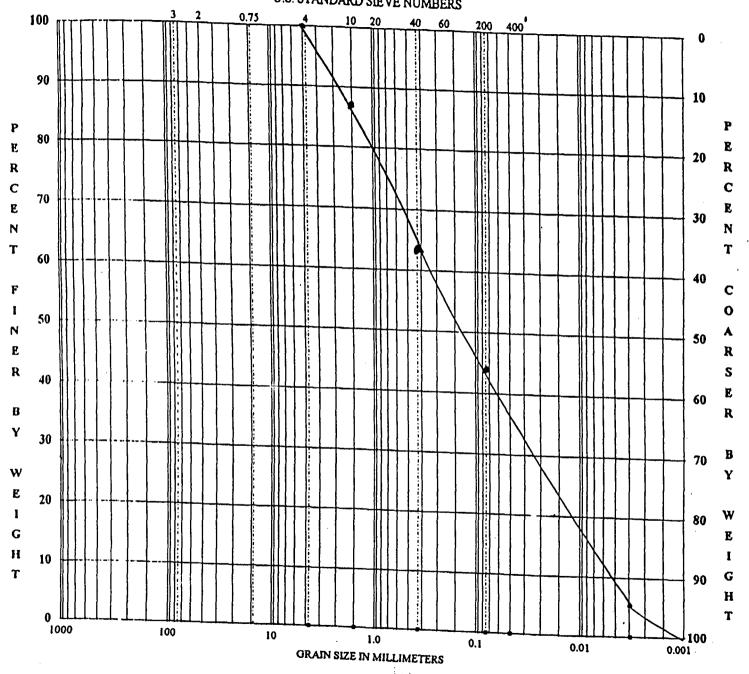
GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: B.

Sample ID: 2379022

Client ID: BST2C1

RESULTS OF GRAIN SIZE TEST U.S. STANDARD SIEVE NUMBERS



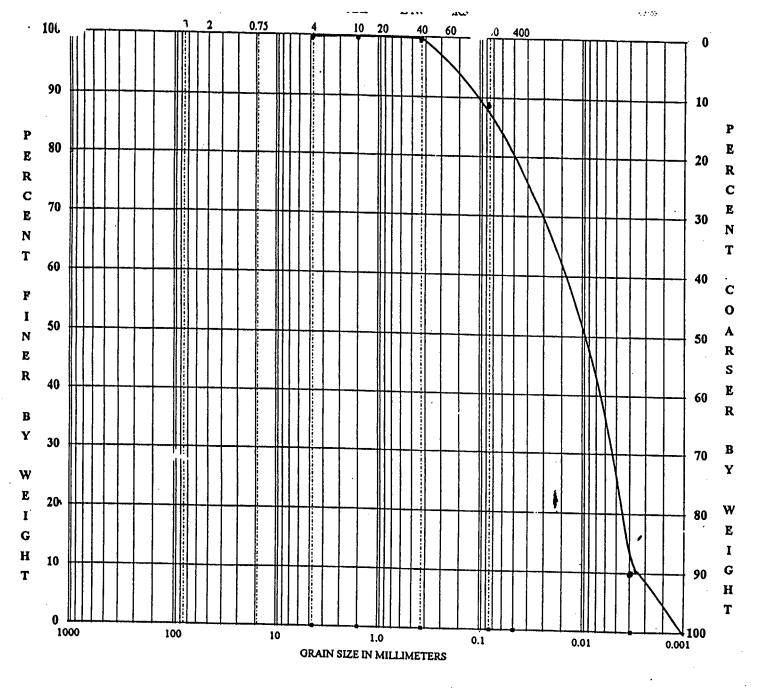
GRAIN SIZE ANALYSIS BY **METHOD D422-63**

Client Name: 13. BY
Sample ID: 23790 2 3
Client ID: SHHICO

Date of Analysis:

. . . .

Appendix E Bulk Sediment Grain Size Curves



GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: Bx

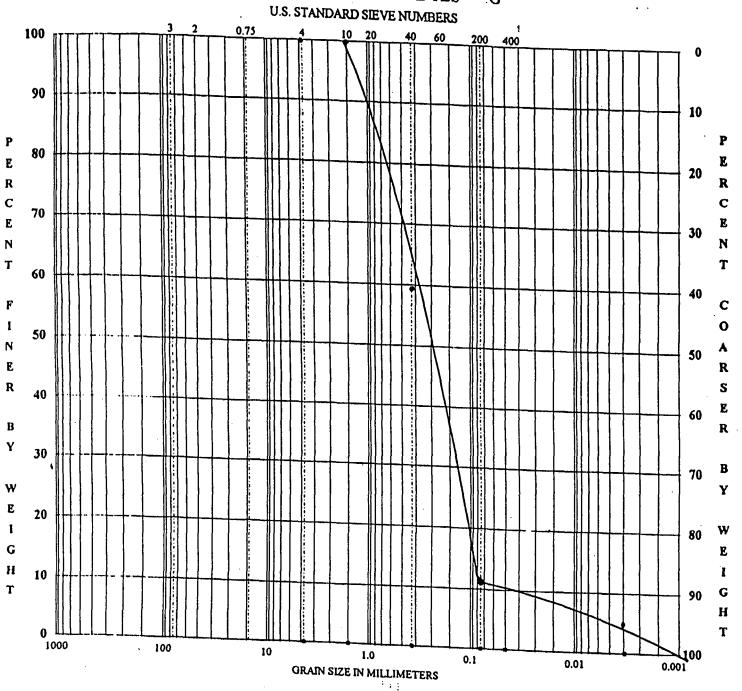
Sample ID: CRCZCOClient ID: 2376201.

Date of Analysis:

1

.

RESULTS OF GRAIN SIZE TES G

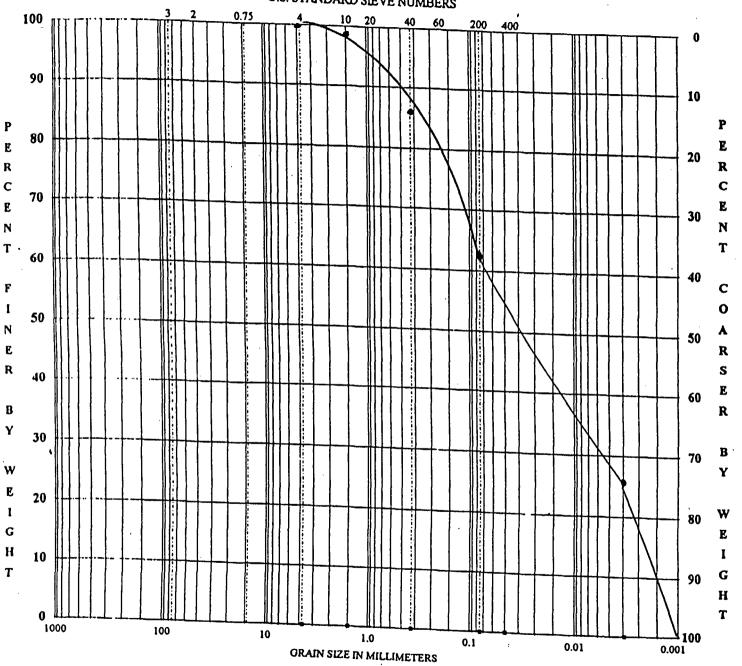


GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: BR Sample ID: CRC 2C4

Client ID: 23 76202

RESULTS OF GRAIN SIZE TES
U.S. STANDARD SIEVE NUMBERS



GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: B

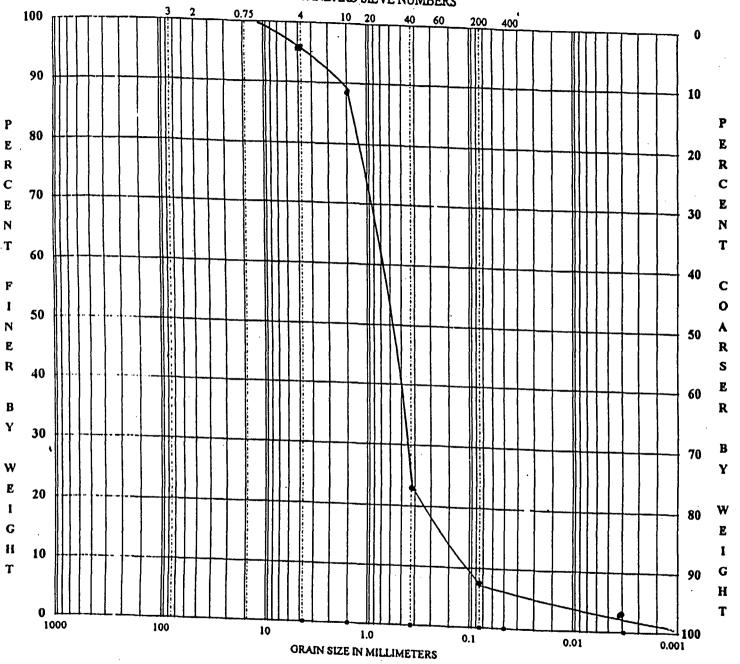
Sample ID: 2 3762 03

Client ID CRCZC 7

Date of Analysis:

 $(1/2)^{n}$

KESULTS OF GRAIN SIZE TES GUS. STANDARD SIEVE NUMBERS



GRAIN SIZE ANALYSIS BY METHOD D422-63

Client Name: B&

Sample ID: 2376205

Client ID: 1357163

Appendix F
Bulk Sediment and Elutriate Initial Screening Levels

TABLE 1
BULK ANALYSIS

PARAMETER	CRITERIA * (mg/kg)
Acenaphthene	.016
Acenaphthylene	.044
Acetone	100
Acrolein	·
Acrylonitrile	1
Aldrin	0.040
Aluminum	
Anthracene	.085
Antimony	14
Arsenic	8
Barium	700
Benzene	11
Benzidine	
3,4-Benzofluoranthene (Benzo(b)fluoranthene)	0.9
Benzo(a)anthracene	0.16
Benzo(a)pyrene(BaP)	0.23
Benzo (ghi)perylene	
Benzo(k)fluoranthene	0.9
Benzyl Alcohol	50
Beryllium	1
Bis(2-chloroethyl)ether	0.66
Bis(2-chloroisopropyl) ether	10
Bis (2-chlorethoxy) methane	·
Bis(2-ethylhexyl)phthalate	49
Boron	
Bromodichloromethane (Dichlorobromomethane)	1

Bromoform	1
Bromomethane	1
4-Bromophenyl-phenylether	
2-Butanone (MEK)	50
Butylbenzyl phthalate	100
Cadmium	<u> </u>
Carbon tetrachloride	1
2-Chlorethylvinylether	
Chloride	
4-Chloroaniline	230
Chlorobenzene	1
Chlorodane	
Chloroethane	
Chloroform	1
4-Chioro-3-methyl phenol (p- Chloro-m-cresol)	100
Chloromethane	10
2-Chloronaphthalene	
2-Chlorophenol	10
4-Chlorophenyl-phenylether	
Chloropyrifos	
Chromium	33
Chrysene	0.22
Cobalt	
Copper	28
P-Cresol	
Cyanide	1100
4,4'-DDD(p,p'-TDE)	3
4,4'-DDE	2
4,4'DDT	2
Dibenz (a, h) anthracene	.031

į

....

.;

	
Dibromochloromethane (Chlordibromomethane)	1 .
1,1-Dichloroethylene	
1,2-Dichloropropane	
1.3-Dichloropropylene	
Di-n-butyl phthalate	100
Di-n-octyl phthalate	100
1,2-Dichlorobenzene	50
1,3-Dichlorobenzene	100
1,4-Dichlorobenzene	100
3,3'-Dichlorobenzidine	2
1,1-Dichloroethane	10
1,2-Dichloroethane	1
1,1-Dichloroethene	8
1,2-Dichloroethene (trans)	50
1,2-Dichloroethene (cis)	1
1,2-trans Dichloroethylene	
2,4-Dichloroprophenol	10
1,2-Dichloropropane	10
1,3-Dichloropropene (cis and trans)	1
Dieldrin	0.011
Diethyl phthalate	50
2,4-Dimethyl Phenol	
2,4-Dimethyl phthalate	10
Dimethyl phthalate	50
4,6-Dinitro-o-cresol	<u>.</u>
2,4-Dinitrophenol	10
4,6-Dinitrophenol	
Dinitrotoluene (2,4-/2.6- mixture)	1
4,6-Dintro-2-methylphenol	
1,2-Diphenylnhydrazine	

Endosulfan	50
Endrin	.042
Endrin Aldehyde	
Ethylbenzene	100
Fluoranthene	.380
Fluorene	018
Formaldehyde	
Heptachlor	0.15
Heptachlor Epoxide	
Hexachlorobenzene	0.66
Hexachlorobutadiene	1
Hexachlorocyclohexane Alpha Beta Delta	
Hexachlorocyclopentadiene	100
Hexachloroethane	6
2-Hexanone	
Indeno(1,2,3-cd)pyrene	0.9
Isophorone	50
Lead	21
Lindane	0.52
Methyl Bromide	
Methyl Chloride	
2-Methylphenol	2800
4-Methylphenol	2800
Methoxychlor	50
Mercury	0.1
Methyl Ethyl Ketone	
Methyl Isobutyl Ketone	
4-Methyl-2-pentanone(MIBK)	50
Methylene chloride	1
Mirex	

Naphthalene	100
Nickel	20.9
Nitrobenzene	10
2-Nitrophenol	
4-Nitrophenol	
N-Nitrosodimethylamine	
N-Nitrosodiphenylamine	100
N-Nitrosodi-n-propylamine	0.66
Parathion	
PCBs(Polychorinated biphenyls)	0.029
Pentachlorophenol	6
Phenanthrene	
Phenol	50
1-Propanal	
2-Propanal	
Pyrene	0.29
Selenium	63
Silver	0.5
Styrene	. 23
Tetrachlorethene	
1,1,1,2-Tetrachloroethane	1 .
1,1,2,2-Tetrachloroethane	1
Tetrachloroethylene	1
Thallium	2 .
Toluene	500
Total Residual Chlorine	
Toxaphene '	0.10
1,2,4-Trichlorobenzene	68
1,1,1-Trichloroethane	50
1,1,2-Trichloroethane	1
Trichloroethene (TCE)	1

Trichloroethylene	
2,4,5-Trichlorophenol	50
2,4,6-Trichlorophenol	10
Vanadium	370
Vinyl chloride	2
Xylenes (Total)	- 10
Zinc	68

* NOTES:

- 1. Bold values represent sediment criteria that exists in the literature. All other values are the lowest of the NJDEPE criteria shown in Table 2.
- 2. Detection levels for each of the parameters are to be less than the criteria levels.

(Last Revised — 2/3/84)

This listing represents the combination of Tables 3-1 and 7-1 from the Department of Environmental Protection and Energy's February 3, 1992 proposed rule entitled Cleanup Standards for Contaminated Sites, N.J.A.C.7:26D, with noted corrections based upon errors identified by the Department during or subsequent to the comment period as well as new toxicological information and since the rule proposal. Please refer to the respective footnotes for more detail. Notwithstanding, where the following criteria are based on human health impacts, the Department shall still consider environmental impacts when establishing site specific cleanup criteria. This along with other site specific factors including background conditions may result in site specific cleanup criteria which differ from the criteria listed below. Therefore, this list shall not be assumed to represent approval by the Department of any remedial action or to represent the Department's opinion that a site requires remediation.

Note: Material bracketed [thus] is deleted and material underlined thus is added.

•			Non	
•∳•		Residential	Residential	Impact to
		Direct Contact	Direct Contact	Ground water
		Soil Cleanup	Soil Cleanup	Soil Cleanup
Contaminant	CASRN	Criteria(a)(b)	Criteria(a)(b)	Criteria(b)
Acenaphthene	83-32-9	3400 ·	10000 (c)	100
Acetone	67-64-1	1000 (d)	7. 1000 (d)	[50] <u>100</u> (i)
Acrylonitrile	107-13-1	1	5	[100] 1 (i)
Aldrin	309-00-2	0.040	0.17	50
Anthracene	120-12-7	10000 (c)	10000 (c)	[500] <u>100</u> (i)
Antimony	7440-36-0	14	340	(p)
Arsenic	7440-38-2	[2 (f)] <u>20</u> (e)	[2 (f)] 20 (e)	
Barium	7440-39-3	700	47000 (n)	(h)
Benzene	71-43-2	3	13	1
3,4-Benzosluoranthene (Benzo(b)sluoranthene)		0.9 .	4	[500] <u>50</u> (i)
Benzo(a)anthracene	56-55-3	0.9	4	500
Benzo(a)pyrene (BaP)	50-32-8	0.66(1)	0.66(f)	100
to(k)flucranthene	207-08-9	0.9	4	500
الكينكيا Alcohol	100-51-6	10000 (c)	10000 (c)	50
Beryllium	7440-41-7	1 (f)	1 (f)	(h)
Bis(2-chloroethyl) ether	111-44-4	0.66(f)	3	[i] 10 (j)
Bis(2-chloroisopropyl) ether	39638-32-9	2300	10000 (c)	10
Bis(2-ethylhexyl) phthalate	117-81-7	49	210	100
Bromodichloromethane (Dichlorobromomethan	ie) 75-27-4	. [5]11(g)	[22] <u>46</u> (g)	1
Bromoform	75-25-2	86	370	1
Bromomethane .	74-83-9	79	1000 (d)	1
2-Butanone (MEK)	78-93-3	1000 (d)	1000 (d)	50
Butylbenzyl phthalate	85-68-7	1100	10000 (c)	100
Cadmium	7440-43-9	1	100	(h)
Carbon tetrachloride	56-23-5	2 (k)	4 (k)	1
4-Chloroaniline	106-47-8	230	4200	(r)
Chlorobenzene	108-90-7	37	680	1
Chloroform	67-66-3	19 (k)	28 (k)	1
4-Chloro-3-methyl phenol (p-Chloro-m-cresol)	59-50-7	10000 (c)	· 10000 (c)	100
Chloromethane	74-87-3	520	1000 (d)	10
2-Chlorophenol	95-57-8	· 280	5200	[50] 10 (j)
Chrysene	218-01-9	9	40	500
Copper	7440-50-8	600 (m)	600 (m)	(h)
Cyanide	57-12-5	1100	21000 (o)	(h)
4,4'-DDD (p.p'-TDE)	72-54-8	3	12	[100] <u>50</u> (i)
4,4'-DDE	72-55-9	2	9	[100] <u>50</u> (i)

:		Residential	Residential	Impact to
1 •		Direct Contact	Direct Contact	Ground water
•		Soil Cleanup	Soil Cleanup	Soil Cleanup
Conteminant	CASRN	Criteria(a)(b)	Criteria(a)(b)	Criteria(b)
4,4'-DDT	50-29-3	2	9	[100] <u>500</u> (i)
ibenz(a,h)anthracene	53-70-3	0.66 (f)	0.66 (1)	[500] 100(j)
_ibromochloromethane (Chlorodibromor		110	1000 (d)	1
Di-n-butyl phthalate	84-74-2	5700	10000 (c)	100
Di-n-octyl phthalate	117-84-0	1100	10000 (c)	100
1,2-Dichlorobenzene	95-50-1	5100	10000 (c)	50
1,3-Dichlorobenzene	541-73-1	5100	10000 (c)	100 .
1,4-Dichlorobenzene	106-46-7	570	10000 (c)	100
3,3'-Dichlorobenzidine	91-94-1	2	6	100
1,1-Dichloroethane	75-34-3	570	1000 (d)	[1] 10 (i)
1,2-Dichloroethane	107-06-2	6	24	1 12 (7)
1,1-Dichloroethene	75-35-4	. 8	150	10
<u>-</u>	156-60-5	1000 (d)	1000 (q)	50
1,2-Dichloroethene (trans)	156-59-2	79 ·	1000 (d)	
1,2-Dichloroethene (cis)	120-83-2	170 .	3100	[50] 1 (i)
2,4-Dichlorophenol	78-87-5	10	43	10
1,2-Dichloropropane .	542-75-6	4	•	(r)
1,3-Dichloropropene (cis and trans)	60-57-1	0.042	5 (k) 0.18	I
Dieldrin		10000 (c)		50
Diethyl phthalate	84-66-2	- •	10000 (c)	50
2,4-Dimethyl phenol	105-67-9	1100	10000 (c)	10
Dimethyl phthalate	131-11-3	10000 (c)	10000 (c)	50
2,4-Dinitrophenol	51-28-5	110	2100	10
Dinitrotoluene (2,4-12.6- mixture)	<u> 25321-14-6</u>	1 (1)	4 (1)	10 (I)
Endosulfan	115-29-7	[3] <u>340 (g)</u>	[52] <u>6200</u> (g)	50
Endrin	72-20-8	17	310	50
Ethylbenzene	100-41-4	1000 (d)	(b) 0001	100
luoranthene	206-44-0	2300	10000 (c)	[500] <u>100</u> (i)
luorene	86-73-7	2300	10000 (c)	100
Heptachlor	76-44-8	0.15	0.65	[500] <u>50(j)</u>
Hexachlorobenzene	118-74-1	0.66 (f)	2	[50] <u>100</u> (i)
Hexachlorobutadiene	87-68-3	[11] I (g)	[210] <u>21</u> (g)	[50] <u>100</u> (g)
Hexachlorocyclopentadiene	77-47-4	400	7300	100
Hexachloroethane	67-72-1	6	100	100
Indeno(1,2,3-cd)pyrene	193-39-5	0.9	4	500
Isophorone	78-59-1	1100	10000 (c)	[10] <u>50</u> (j)
Lead .	7439-92-1	100 (p)	600 (q)	(h)
Lindane	58-89-9	0.52	2.2	[1] <u>50</u> (j)
2-Methylphenol	95-48-7	2800	10000 (c)	(r)
4-Methylphenol	106-44-5	2800	10000 (c)	(1) ·
Methoxychlor	72-43-5	280 .	5200	[500] <u>50</u> (i)
Mercury .	7439-97-6	14	270	(h)
4-Methyl-2-pentanone(MIBK)	108-10-1	1000 (d)	1000 (q)	50
Methylene chloride	75-09-2	49	210	[10] 1 (j)
Naphthalene	91-20-3	230	4200	100
Nickel	7440-02-0	250	2400 (k) (n)	(h)
Nitrobenzene	98-95-3	28 520	[50]	<u>10</u> (i)
N-Nitrosodiphenylamine	86-30-6	140	600	100
N-Nitrosodi-n-propylamine	621-64-7	0.66 (f)	0.66 (f)	[1] 10 (j)
PCBs (Polychlorinated biphenyls)	1336-36-3	0.49	2	[100] <u>50</u> (i)
Pentachlorophenol	87-86-5	6	24	100
Phenol ;	103-95-2	10000 (c)	10000 (c)	50
•				

•		Residential	Residential	 Impact to
t- ·		Direct Contact	Direct Contact	Ground water
•	•	Soil Cleanup	Soil Cleanup	Soil Cleanup
Contaminant	CASRN	Criteria(a)(b)	Criteria(a)(b)	Criteria(b)
Рутепе -	129-00-0	1700	10000 (c)	[500] <u>100</u> (j)
Selenium	7782-49-2	63 .	3100 (n)	(h)
ilver	7440-22-4	110	4100 (n)	(h)
Styrene	100-42-5	23	97	100
1,1,1,2-Tetrachloroethane	630-20-6	170	310	1
1,1,2,2-Tetrachloroethane	79-34-5	34	70 (k)	1
Tetrachloroethylene	127-18-4	4 (k)	6 (k) .	1
Thallium	7440-28-0	2 (f)	2 (1)	(h)
Toluene	108-88-3	1000 (d)	1000 (d)	500
Toxaphene	8001-35-2	0.10 (k)	0.2 (k)	[100] <u>50</u> (i)
1,2,4-Trichlorobenzene	120-82-1	68	. 1200	100
1,1,1-Trichloroethane	71-53-6	210	1000 (d)	50
1,1,2-Trichloroethane	79-00-5	22	420 .	1
Trichloroethene (TCE)	79-01-6	23	54 (k)	1
2,4,5-Trichlorophenol	95-95-4	5600	10000 (c)	50
2,4,6-Trichlorophenol	88-06-2	62	270	[50] <u>10</u> (i)
Vanadium .	7440-62-2	370	7100 (n)	(h)
Vinyl chloride	75-01-4	.5	7	[1] <u>10</u> (i)
Xylenes (Total) .	1330-29-7	410	1000 (d)	10
Zinc	7440-66-6	1500 (m)	1500 (m)	(h)

Footnotes

- (a) criteria are health based using an incidental ingestion exposure pathway except where noted below
- (b) criteria are subject to change based on site specific factors (e.g., aquifer classification, soil type, natural background, environmental impacts, etc.)
- (c) health based criterion exceeds the 10000 mg/kg maximum for total organic contaminants
- ') health based criterion exceeds the 1000 mg/kg maximum for total volatile organic contaminants
- (-) cleanup standard proposal was based on natural background
- (f) health based criterion is lower than analytical limits; cleanup criterion based on practical quantitation level
- (g) criterion has been recalculated based on new toxicological data
- (h) the impact to ground water values for inorganics will be developed based upon site specific chemical and physical parameters
- (i) original criterion was incorrectly calculated and has been recalculated
- (j) typographical error
- (k) criterion based on inhalation exposure pathway which yielded a more stringent criterion than the incidental ingestion exposure pathway
- new criterion derived using methodology in the basis and background document
- (m) criterion based on ecological (phytotoxicity) effects
- (n) level of the human health based criterion is such that evaluation for potential environmental impacts on a site by site basis is recommended
- (o) level of the criterion is such that evaluation for potential acute exposure hazard is recommended
- (p) criterion based on the goal that children should be exposed to the minimal amount of lead that is practicable and is reflective of natural background as altered by diffuse anthropogenic pollution. Criterion corresponds to both a median value for whan land which has not been impacted by any local point source of lead and a 90th percentile value for similar suburban land
- (q) criteria was derived from a model developed by the Society for Environmental Geochemistry and Health (SEGH) and was designed to be protective for adults in the workplace
- (r) Insufficient information available to calculate impact to ground water criteria

TABLE 3
Water/Elutriate Analysis

Parameter	Acute Water Quality Criteria * (ug/1)
Acenaphthene	85
Acenaphthylene	
Acetone	446,000
Acrolein	455
Acrylonitrile	645
Aldrin	1.5
Aluminum	750
Anthracene	
Antimony (trivalent)	88
Arsenic (trivalent)	360
Barium	20,500
Benzene	640
Benzidine	295
3,4-Benzofluoranthene (Benzo(b)fluoranthene)	
Benzo(a)anthracene	0.5
Benzo(a)pyrene(BaP)	
Benzo (ghi)perylene	
Benzo(k) fluoranthene.	
Benzyl Alcohol	<u> </u>
Beryllium	
Bis(2-chloroethyl)ether	30,000
Bis(2-chloroisopropyl) ether	4,545
Bis (2-chlorethoxy) methane	
Bis(2-ethylhexyl)phthalate	
Boron	8,050
Bromodichloromethane (Dichlorobromomethane)	

Bromoform	1825	•
Bromomethane		
4-Bromophenyl-phenylether	270	
2-Butanone (MEK)		
Butylbenzyl phthalate	140	
Cadmium :	1.79	
Carbon tetrachloride	2780	
2-Chlorethylvinylether	17,500	
Chloride	86,000	
4-Chloroaniline		
Chlorobenzene	1180	
Chlorodane	1.2	
Chloroethane		
Chloroform	1945	
4-Chloro-3-methyl phenol (p- Chloro-m-cresol)	155	
Chloromethane .		
2-Chloronaphthalene	•	
2-Chlorophenol	560	
4-Chlorophenyl-phenylether		
Chloropyrifos .	.083	
Chromium III	984.32	
Chromium IV	16	
Chrysene		
Cobalt	95	
Copper	. 9.22-	
P-Cresol	795	
Cyanide	22	
4,4'-DDD(p,p'-TDE)	0.55	
4,4'-DDE	0.55	
4,4'DDT	0.55	
Dibenz(a,h)anthracene		

٠,

:

Dibromochloromethane (Chlordibromomethane)	
1,2-Dichloropropane	
Di-n-butyl phthalate	105
Di-n-octyl phthalate	100
1,2-Dichlorobenzene	820
1,3-Dichlorobenzene	345
1,4-Dichlorobenzene	730
3,3'-Dichlorobenzidine	
1,1-Dichloroethane	
1,2-Dichloroethane	15,440
1,1-Dichloroethene .	
1,2-Dichloroethene (trans)	·
1,2-Dichloroethene (cis)	
1,1 Dichloroethylene	7,460
1,2-trans Dichloroethylene	6,750 ·
2,4-Dichloroprophenol	1685
1,2-Dichloropropane	10,825
1,3-Dichloropropene (cis and trans)	
1,3-Dichloropropylene	305
Dieldrin	1.25
Diethyl phthalate	4000
2,4-Dimethyl Phenol	660
2,4-Dimethyl phthalate	
Dimethyl phthalate	2475
4,6-Dinitro-o-cresol	. 80
2,4-Dinitrophenol	655
2,4-Dinitrotoluene	1590
2,6-Dinitrotoluene	990
4,6-Dintro-2-methylphenol	
1,2-Diphenyl-n-hydrazine	15

.

Endosulfan	.11
Endrin	.09
Endrin Aldehyde	
Ethylbenzene	2,900
Fluoranthene	200 `
Fluorene .	
Formaldehyde	2,180
Heptachlor	.26
Heptachlor Epoxide	0.5
Hexachlorobenzene	
Hexachlorobutadiene	10
Hexachlorocyclohexane Alpha Beta Delta	
Hexachlorocyclopentadiene	5
Hexachloroethane	60
2 Hexanone	21,400
Indeno(1,2,3-cd)pyrene	
Isophorone	10,400
Lead	33.78
Lindane	1.0
Methyl Bromide	550
Methyl Chloride	27,500
Methyl Ethyl Ketone	161,000
Methyl Isobutyl Ketone	26,000
2-Methylphenol	<u> </u>
4-Methylphenol	
Methoxychlor	<u> </u>
Mercury	2.4
4-Methyl-2-pentanone(MIBK)	
Methylene chloride	11,840
Mirex	

:

Naphthalene	135
Nickel	789.01
Nitrobenzene	4040
2-Nitrophenol	8000
4-Nitrophenol	2335
N-Nitrosodimethylamine	17,100
N-Nitrosodiphenylamine	295
N-Nitrosodi-n-propylamine	
Parathion	.065
PCBs(Polychorinated biphenyls)	2.0
Pentachlorophenol	e (1.005(pH)-4,830)
Phenanthrene	5
Phenol	100
1-Propanal	227,750
2-Propanal	443,165
Pyrene	•
Selenium	20
Silver	0.92
Styrene	
Tetrachlorethene	
1,1,1,2-Tetrachloroethane	
1,1,2,2-Tetrachloroethane	1040
Tetrachloroethylene	695
Thallium	65
Toluene	1650
Total Residual Chlorine	19.
Toxaphene	.37
1,2,4-Trichlorobenzene	130
1,1,1-Trichloroethane	3025
1,1,2-Trichloroethane	3390
Trichloroethene (TCE)	·

•

2

Trichloroethylene	2,250
2,4,5-Trichlorophenol	100
2,4,6-Trichlorophenol	5
Vanadium	515
Vinyl chloride	
Xylenes (Total)	1055
Zinc	65.04

- * Detection levels for each of the parameters are to be less than the criteria levels.
- * Detection levels for parameters with no criteria shall be determined by EPA Test Methods.

Appendix G

Data Summaries for Bulk Sediment and Elutriate Sample Analyses

Parameter	BPO	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	4	4	5	8	6	4	4	35
Bis(2-chloroethyl)ether		•						
Mean Concentration # of Detections Detection Range	645 ND	400 ND 	1,192 ND 	746 ND 	533 ND	560 ND	428 ND 	665 ND
N-Nitroso-di-n-propylamine	•						•	
Mean Concentration # of Detections Detection Range Hexachlorobutadiene	645 ND 	400 ND	1,192 ND 	984 2 1,400-1,500	533 ND 	560 ND 	428 ND 	702 2 1,400-1,500
Mean Concentration # of Detections Detection Range	645 ND 	400 ND 	1,192 ND 	746 ND 	533 ND 	560 ND 	428 ND 	665 ND
Acenaphthylene Mean Concentration # of Detections Detection Range	645 ND 	312 1 (1J) 67	1,192 ND	746 ND 	533 ND 	560 ND	428 ND 	636 1 (1J) 67
2,6-Dinitrotoluene					. •			
Mean Concentration # of Detections Detection Range	645 ND 	400 ND 	1,192 ND 	746 ND 	533 ND 	560 · ND	428 ND 	665 ND

		•						
<u>Parameter</u>	BPO	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	. 4	4	5	8	6	4	4	35
Accnaphthene								,
Mean Concentration # of Detections Detection Range	645 ND 	330 1 (1J) 140	1,192 ND 	1,034 2 (1J) 1,600-1,700	533 ND 	560 ND 	428 ND 	695 4 (3J) 97-1,700
2,4-Dinitrotoluene		•	•					•
Mean Concentration # of Detections Detection Range	645 ND 	400 ND	1,192 ND 	1,084 2 1,800-1,900	533 ND	560 ND 	428 ND 	728 2 1,800-1,900
Fluorene	,							
Mean Concentration # of Detections Detection Range	645 ND 	333 1 (1J) . 150	1,192 ND	746 ND 	533 ND 	560 ND 	428 ND 	638 1 (1J) 150
Hexachlorobenzene			·					
Mean Concentration # of Detections Detection Range	645 ND 	400 ND 	1,192 ND 	746 ND 	533 ND 	560 ND 	428 ND 	665 ND
Anthracene								
Mean Concentration # of Detections Detection Range	645 ND 	350 1 (1J) 220	948 2 (2J) 110-140	584 2 (2J) 150-160	383 2 (2J) 90-160	415 1 (1J) 71	428 ND 	522 8 (8J) 71-220

Parameter	BPO	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	4	4	5	8	6	4	4	35
Fluoranthene								
Mean Concentration # of Detections Detection Range	245 3 (3J) 170-230	695 1 1,600	640 3 (1J) 700-880	526 5 (4J) 78-920	535 2 (1J) 240-920	350 2 (2J) 140-360	312 1 (1J) 76	486 17 (12J) 76-1,600
Рутепе								
Mean Concentration # of Detections Detection Range	263 3 (3J) 180-260	537 2 (1J) 38-1,300	630 3 (2J) 720-820	880 6 (4J) 68-2,300	520 2 (1J) 300-770	360 2 (2J) 160-380	313 1 (1J) 80	548 19 (14J) 38-2,300
3,3'-Dichlorobenzidine			•			•		
Mean Concentration # of Detections Detection Range	1,270 ND 	800 ND 	2,376 ND	1,510 ND 	1,075 ND 	1,122 ND	855 ND 	1,331 ND
Benzo(a)anthracene								`
Mean Concentration # of Detections Detection Range	172 3 (3J) 82-120	458 1 650	396 3 (3J) 320-400	386 4 (3J) 210-500	467 2 (1J) 250-500	299 2 (2J) 86-210	428 ND 	373 15 (12J) 82-650

Parameter	ВРО	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	4	4	5	8	6	4	4	35
Chrysene								÷,
Mean Concentration # of Detections Detection Range	210 3 (3J) 120-180	450 1 620	474 3 (3J) 420-540	389 5 (4J) 43-610	513 2 (1J) 420-610	320 2 (2J) 110-270	428 ND	406 16 (13J) 43-620
Benzo(b)fluoranthene								
Mean Concentration # of Detections Detection Range	195 3 (3J) 120-140	398 1 (1J) 410	426 3 (3J) 360-500	396 5 (4J) 55-560	463 2 (1J) 220-510	302 2 (2J) 100-210	428 ND 	382 16 (14J) 55-560
Benzo(k)fluoranthene								
Mean Concentration # of Detections Detection Range	192 3 (3J) 97-160	408 1 450	192 2 (2J) 340-570	320 5 (5J) 41-360	2 (2J) 200-360	305 2 (2J) 120-200	428 ND	454 15 (14J) 41-570
Benzo(a)pyrene			•					
Mean Concentration # of Detections Detection Range	179 3 (3J) 95-130	364 2 (1J) 44-620	330 4 (4J) 140-460	311 6 (5J) 41-500	292 5 (4J) 140-500	159 4 (4J) 53-300	428 ND 	297 24 (21J) 41-620
Indeno(1,2,3-cd)pyrene					•	,		
Mean Concentration # of Detections Detection Range	645 ND 	352 1 (1J) 230	950 2(2J) 99-160	431 3 (3J) 120-140	480 1 (1J) 140	560 ND 	428 ND	543 7 (7J) 99-230

Parameter	BPO	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	4	4	5	· 8	6	4	4	35
Dibenz(a,h)anthracene							•	
Mean Concentration # of Detections Detection Range	645 ND 	400 ND	1,192 ND 	746 ND 	533 ND 	560 ND 	428 ND 	646 ND
Aldrin						•		
Mean Concentration # of Detections Detection Range	28 ND 	12 ND 	29 ND 	27 ND 	18 ND 	22 ND	14 ND 	22 ND
Dieldrin								
Mean Concentration # of Detections Detection Range	58 ND 	24 ND	57 ND 	54 ND 	35 ND	43 ND	27 ND 	42 ND
Endrin ,	,					,		
Mean Concentration # of Detections Detection Range	58 ND 	24 ND 	57 ND 	· 54 ND 	30 1 (1J) 34	43 ND	27 ND 	43 1 (1J) 34
Toxaphene				,	•			
Mean Concentration # of Detections Detection Range	575 ND 	243 ND 	568 ND 	535 ND	350 ND 	433 ND 	270 ND	423 ND

			•					
Parameter	BPO	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	4	4	5	8	6	4 (4	35
PCBs	•	•						
Mean Concentration # of Detections Detection Range	116 3 (3J) 100-150	121 ND	237 2 (2J) 140-310	230 2 (2J) 160-190	202 2 (1J) 160-550	164 2 (2J) 210-230	135 ND 	165 11 (10J) 100-550
Arsenic								
Mean Concentration # of Detections Detection Range	10,910 4 540-14,800	1,640 4 590-4,100	9,434 5 970-19,500	6,690 8 820-14,200	9,067 6 3,200-25,200	8,700 4 1,100-14,900	3,775 4 1,400-6,400	7,291 35 540-25,200
Cadmium								
Mean Concentration # of Detections Detection Range	1,188 4 50-2,000	85 3 40-150	3,214 5 80-8,000	1,678 7 50-5,200	997 6 60-3,200	1,510 3 110-3,000	168 3 90-390	1,351 31 40-8,000
Chromium	,		·					
Mean Concentration # of Detections Detection Range	55,975 4 26,200-71,000	16,175 4 3,600-32,800	73,560 5 7,500-197,000	48,250 8 6,000-128,000	54,817 6 16,000-169,000	59,350 4 5,000-114,000	22,250 4 9,100-37,800	48,506 35 3,600-197,000
Copper	•				•			
Mean Concentration # of Detections Detection Range	46,275 4 11,800-65,700	5,425 4 3,400-6,800	70,280 5 2,300-165,000	41,613 8 1,900-104,000	28,200 6 4,200-97,000	40,050 4 1,200-78,800	15,725 4 8,000-24,700	36,669 35 1,200-165,000

Parameter	BPO	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	4	4	5	8	6	4	4	· 35
Lead						•		
Mean Concentration # of Detections Detection Range	57,100 4 6,800-79,800	4,350 4 1,300-7,300	88,020 5 2,800-205,000	49,700 8 2,900-154,000	39,117 6 4,400-140,000	53,600 4 1,800-110,000	10,200 4 1,600-22,800	44,954 35 1,300-205,000
Mercury								
Mean Concentration # of Detections Detection Range	318 3 330-460	120 ND 	420 3 390-850	265 3 390-550	287 1 970	358 2 520-640	128 ND -	275 12 330-970
Nickel					•			
Mean Concentration # of Detections Detection Range	29,650 4 18,900-37,200	4,855 4 120-11,900	26,260 5 4,700-47,200	20,138 8 4,700-32,700	18,983 6 10,700-34,900	20,975 4 3,900-34,600	14,425 4 7,700-21,800	19,598 35 120-47,200
Silver								
Mean Concentration # of Detections Detection Range	1,313 4 150-2,300	73 2 60-100	2,116 4 110-4,400	. 1,120 6 120-3,000	1,027 5 190-3,500	1,258 3 160-2,800	128 2 90-300	1,051 26 60-4,400
Thallium					·			
Mean Concentration # of Detections Detection Range	2,048 4 790-2,700	468 1 800	1,576 3 1,600-3,100	1,254 6 890-2,200	1,263 6 620-2,200	1,475 4 600-2,600	875 4 590-1,300	1,284 28 590-3,100

Parameter	BPO	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	4	4	5	8	6	4	4	35
Zinc								
Mean Concentration # of Detections Detection Range	222,025 4 42,100-319,000	18,700 4 2,000-44,500	356,460 5 16,700-817,000	189,325 8 18,100-467,000	123,767 6 30,300-337,000	192,875 4 9,600-380,000	46,675 4 22,200-98,600	170,303 35 2.000-817.000

Notes:

All concentrations reported in parts per billion (ug/kg), dry weight.
ND - Not Detected
NA - Not Available

Parameter	BPO	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	4	4	5	. 8	6	4	4	35
Hexachlorocyclopentadiene, total								
Mean Concentration # of Detections Detection Range	10 ND 	10 ND -	10 ND	10 ND -	10 ND -	10 ND	10 ND 	10 ND -
Hexachlorocyclopentadiene, dissolved			•	·	·			
Mean Concentration # of Detections Detection Range	10 ND	10 ND -	10 ND 	10 ND 	10 ND -	10 ND -	10 ND 	10 ND
2,4,6-Trichlorophenol, total								
Mean Concentration # of Detections Detection Range	10 ND -	10 · ND -	10 ND 	10 ND	10 . ND —	10 ND -	10 ND -	10 ND
2,4,6-Trichlorophenol, dissolved			•			:		
Mean Concentration # of Detections Detection Range	10 ND -	10 ND 	10 ND 	10 ND -	10 ND -	10 ND -	10 ND	10 ND -
Phenanthrene, total		•	•		•			
Mean Concentration # of Detections Detection Range	10 ND -	10 ND -	10 ND -	10 ND -	10 ND	10 ND	10 ND 	10 ND -
Phenanthrene, dissolved				•				
Mean Concentration # of Detections Detection Range	10 ND 	10 ND 	10 ND 	10 ND	10 ND 	10 ND 	10 ND	10 ND -

į, _į

Data Summary of clutriate Sample Analyses

Parameter	BPO	BST	CRC	PAT	SFM	SHI	SMH	ALL
Number of Samples	4	4	5	8	6	4	_. 4	35
Benzo(a)anthracene, total								•
Mean Concentration # of Detections Detection Range	1 ND	l ND -	I ND ~	I ND 	i ND	1 ND -	ND -	I ND -
Benzo(a)anthracene, dissolved			•					
Mean Concentration # of Detections Detection Range	I ND -	l ND -	ND -	l ND 	l ND -	ND -	ND	I ND -
1.2-Diphenyl-n-hydrazine, total								
Mean Concentration # of Detections Detection Range	100 ND	100 ND	100 ND 	100 ND -	100 ND	100 ND	100 ND	100 ND -
1,2-Diphenyl-n-hydrazine, dissolved								
Mean Concentration # of Detections Detection Range	100 ND 	100 ND	100 ND	100 ND 	100 ND	100 ND 	100 · ND	100 ND -
Toxaphene, total								
Mean Concentration # of Detections Detection Range	1 ND -	1 ND	i ND 	1 ND -	1 ND	I ND	l ND	I ND -
Toxaphene, dissolved					_			
Mean Concentration # of Detections Detection Range	ND -	I ND 	1 ND	l ND	1 ND	1 ND	I ND	I ND -

Data Summary of Elutriate Sample Analyses

Parameter	BPO	BST	CRC	PAT	SFM	· SHI	SMII	ΔLL
Number of Samples	4	4	5	8	6	4	4	35
Chloropyrifos, total	·							
Mean Concentration # of Detections Detection Range	1 ND -	l ND -	ND -	l ND -	1 ND -	1 ND 	l ND -	1 ND -
Chloropyrifos, dissolved								•
Mean Concentration # of Detections Detection Range	l ND	I ND 	I ND -	l ND 	I ND -	1 ND -	1 ND· .	ND -
Parathion, total								
Mean Concentration # of Detections Detection Range	ND -	1 ND -	1 ND -	1 ND -	ND -	1 ND	1 ND -	ND -
Parathion, dissolved								,
Mean Concentration # of Detections Detection Range	ND -	l ND	ND	1 ND -	I ND	I ND -	1 ND	ND -
Formeldehyde, total						·		
Mean Concentration # of Detections Detection Range	5,000 ND 	5,000 ND	5,000 ND -	5,000 ND -	5,000 ND 	5,000 ND -	5,000 ND	5,000 ND
Formeldehyde, dissolved			•		•			•
Mean Concentration # of Detections Detection Range	5,000 ND	5,000 ND -	5,000 ND -	5,000 ND 	5,000 ND	5,000 ND 	5,000 ND -	5,000 ND

Data Summary of Elutriate Sample Analyses

								•
Parameter	BPO	BST	CRC	PAT	SFM	<u>SHI</u>	SMII	٠
Number of Samples	4	4 .	5	8	. 6 .	4	4	35
Aluminum, total								
Mean Concentration # of Detections Detection Range	57,875 4 24,300-79,300	26,710 4 2,200-78,300	101,060 5 18,500-206,000	93,125 8 17,500-238,000	192,500 6 116,000-292,000	119,250 4 17,000-238,000	31,441 4 945-95,100	95,612 35 945-292,000
Aluminum, dissolved								
Mean Concentration # of Detections Detection Range	1,053 4 478-1,770	159 4 136-177	2,475 5 294-8,280	7,296 8 697-21,200	7,415 6 490-40,800	2,707 4 213-8,800	769 4 158-2,330	3,828 35 136-40,800
Cadmium, total								
Mean Concentration # of Detections Detection Range	3.3 4 0.64-8.7	0.6 3 0.34-1.3	8.9 5 1.9-29.7	6.2 8 0.51-16.1	9.3 6 2.3-21.7	6.4 3 4.7-14	5.4 2 0.31-20.7	6.1 31 0.31-29.7
Cadmium, dissolved								
Mean Concentration # of Detections Detection Range	0.3 1 0.46-0.46	0.6 1 1.4	0.9 3 0.5-2.5	. 0.4 . 2 0.59-0.76	0.4 2 0.34-0.98	0.3 ND	0.3 ND 	0.5 9 0.34-2.5
Chromium III, total								
Mean Concentration # of Detections Detection Range	278 4 73-448	64 3 9-198	423 5 82-948	306 8 76-543	813 6 440-1,668	505 4 44-976	125 3 24-451	381 33 9-1,668
Cobalt, total		,					٠.	
Mean Concentration # of Detections Detection Range	51.0 4 18.8-88.1	21.7 4 2.2-51.5	83.6 5 21.2-153	70.8 8 17.9-161	121.0 6 85.2-176	85.1 4 10.4-153	26.0 4 2.1-83.5	69.9 35 2.1-176

Data Summary of Entriate Sample Analyses

Parameter	BPQ	BST	CRC	PAT	<u>sem</u>	SIII	SMIL	ALL
Number of Samples	4	4	5	8	6	4	4	35
Copper, total							•	
Mean Concentration # of Detections Detection Range	243 4 62.1-395	60 4 12.8-106	340 5 65.8-866	198 8 61.3-360	375 6 145-909	280 4 33.6-573	. 166 4 15.8-548	244 35 12.8-909
Copper, dissolved								
Mean Concentration # of Detections Detection Range	97.3 4 51.3-184	185.6 4 3.8-449	58.2 5 25.3-119	53.2 8 10.2-95.3	89.2 6 48.4-148	108.8 4 32.1-190	36.0 4 10.1-71	84.6 35 3.8-449
Lead, total		•			•			
Mean Concentration # of Detections Detection Range	261.7 4 69.6-529	32.0 4 2.4-85.8	369.2 5 71.2-1,100	224.7 8 49.2-578	464.0 6 87.3-1,400	339.7 4 14.9-789	196.6 4 2.4-746	278.5 35 2.4-1,400
Lead, dissolved					•			•
Mean Concentration # of Detections Detection Range	14.4 4 3.8-26.7	5.9 2 7.8-11.7	34.1 4 3.4-122	14.9 7 3-32.9	22.5 6 3.3-89.9	. 13.9 3 16.8-18.8	10.3 l 34.9-34.9	17.2 27 3-122
Mercury, total								
Mean Concentration # of Detections Detection Range	0.8 2 1.2-1.6	0.2 1 0.29-0.29	1.2 3 0.26-3.7	0.6 6 0.26-1.4	1.7 4 0.44-5.4	1.0 2 1.3-2.3	0.7 2 0.81-1.4	0.9 20 0.26-5.4
Mercury, dissolved								
Mean Concentration # of Detections Detection Range	0.7 3 0.51-1.2	0.4 2 0.64	1.8 3 0.3-7.7	0.4 2 0.2-1.8	0.2 2 0.2-0.2	0.2 ND - :	0.3 1 0.47-0.47	0.6 13 0.2-7.7

Data Summary of Elutriate Sample Analyses

<u>Parameter</u>	BPO	BST	CRC	PAT	SFM	SHI	<u>SMH</u>	ALL
Number of Samples	4	4	5	8	6	4 .	· 4	35
Silver, total			•					
Mean Concentration # of Detections Detection Range	4.3 3 1.9-10.6	1.0 2 0.6-2.2	43.8 5 1.4-210	. 6.0 8 1.6-11.4	10.5 6 0.75-35.3	8.4 4 0.81-19.1	7.4 2 4.5-24	11.8 30 0.6-210
Silver, dissolved		•						•
Mean Concentration # of Detections Detection Range	0.6 ND -	0.6 ND -	7.9 1 37.2	0.6 2 0.62-0.91	0.6 ND 	0.6 ND -	0.6 ND 	1.7 3 0.62-37.2
Vanadium, total		,					•	
Mean Concentration # of Detections Detection Range	201 4 52.7-269	80 4 25.9-167	372 5 52.1-721	215 8 58.6-453	527 6 370-882	354 4 42.1-670	77 4 2.1-211	274 35 2.1-882
Zinc, total			•	·				
Mean Concentration # of Detections Detection Range	842 4 262-1,570	233 4 28.9-462	1,624 5 386-4,970	1,188 8 212-1,970	1,409 6 874-2,260	1,161 4 102-2,210	660 4 13.5-2,340	1,076 35 13.5-4,970
Zinc, dissolved								
Mean Concentration # of Detections Detection Range	118 4 76.6-154	104 4 35.3-178	233 5 23.2-520	142 8 26.6-307	159 6 18.2-540	130 4 53.8-237	49 . 3 . 21.6-121	139 34 18,2-540

Notes:

All concentrations reported in parts per billion (ug/L). ND - Not Detected

corps/wo9/elutab3.wk4